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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Preferred Name	*Item Type*	*Data Identifier*	*Version*	*Effective Date*
AERONAUTICALFacility_Location_Identifier	Data Element	227	1	06-DEC-01
AIRCRAFT_Category_text	Data Element	409	1	28-MAY-03
AIRCRAFT_Make_text	Data Element	411	1	30-MAY-03
AIRCRAFT_MasterModel_text	Data Element	412	1	30-MAY-03
AIRCRAFT_MasterSeries_text	Data Element	413	1	30-MAY-03
AIRCRAFT_Model_text	Data Element	410	1	30-MAY-03
AIRCRAFT_PopularName_text	Data Element	414	1	30-MAY-03
AIRCRAFT_Series_text	Data Element	416	1	30-MAY-03
AIRCRAFT_SubCategory_text	Data Element	415	1	30-MAY-03
AIRCRAFT_TypeCertificate_text	Data Element	417	1	30-MAY-03
AIRCRAFT_TypeDesignatorICAO_text	Data Element	418	1	30-MAY-03
AIRPORT_HighestLandingAreaPoint_elevation-MSL	Data Element	228	2	30-MAY-03
AIRPORT_Lighted_code	Data Element	527	1	30-MAY-03
AIRPORT_LocationElevationHorizontalEllipsoidalDatum_code	Data Element	231	1	06-DEC-01
AIRPORT_LocationElevationOrthometricDatum_code	Data Element	233	1	06-DEC-01
AIRPORT_Location_identifier-FAA	Data Element	234	1	06-DEC-01
AIRPORT_Location_identifier-ICAO	Data Element	235	1	06-DEC-01
AIRPORT_MagneticVariation_year	Data Element	237	1	06-DEC-01
AIRPORT_Name_text	Data Element	226	1	06-DEC-01
AIRPORT_PhysicalInspection_date	Data Element	238	1	06-DEC-01
AIRPORT_ReferencePoint_latitude	Data Element	240	2	30-MAY-03
AIRPORT_ReferencePoint_longitude	Data Element	239	2	30-MAY-03
AIRPORT_ReferencePoint_magnetic-variation	Data Element	460	1	30-MAY-03
ARTCC_AirportExclusion_identifier	Data Element	241	1	06-DEC-01
ARTCC_AirportResponsibility_identifier	Data Element	242	1	06-DEC-01
ARTCC_Facility_identifier	Data Element	244	1	06-DEC-01
FIX_Description_text	Data Element	334	1	30-MAY-03
FIX_Identification_code	Data Element	335	1	30-MAY-03
FIX_Location_latitude	Data Element	520	1	30-MAY-03

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Preferred Name	*Item Type*	*Data Identifier*	*Version*	*Effective Date*
FIX_Location_longitude	Data Element	521	1	30-MAY-03
FLIGHTIdentification_EnRouteComputerID_identifier-flight-daa	Data Element	2202	1	16-SEP-05
FLIGHT_Phase_code-ICAO	Data Element	1665	1	06-AUG-04
FLIGHT_Phase_name-ICAO	Data Element	1663	1	06-AUG-04
FLIGHT_SubPhase_code-ICAO	Data Element	1664	1	06-AUG-04
FLIGHT_SubPhase_name-ICAO	Data Element	1662	1	06-AUG-04
HOLDINGPattern_Identification_code	Data Element	340	1	30-MAY-03
HOLDINGPattern_Length_time-period-minutes	Data Element	342	1	30-MAY-03
HOLDINGPattern_Turn_code	Data Element	375	1	30-MAY-03
HOSPITAL_AbbreviatedName_Text	Data Element	344	1	30-MAY-03
HOSPITAL_HelipadLighting_indicator	Data Element	343	1	30-MAY-03
HOSPITAL_Helipad_indicator	Data Element	483	1	30-MAY-03
HOSPITAL_Location_latitude	Data Element	523	1	30-MAY-03
HOSPITAL_Location_longitude	Data Element	524	1	30-MAY-03
LANDINGFacility_Site_number	Data Element	243	1	06-DEC-01
ORGANIZATION_Acronym_text	Data Element	402	1	30-MAY-03
ORGANIZATION_AddressLine1_text	Data Element	403	1	30-MAY-03
ORGANIZATION_AddressLine2_text	Data Element	404	1	30-MAY-03
ORGANIZATION_AddressType_text	Data Element	405	1	30-MAY-03
ORGANIZATION_CityName_text	Data Element	396	1	30-MAY-03
ORGANIZATION_CommonName_text	Data Element	406	1	30-MAY-03
ORGANIZATION_CountryName_code	Data Element	407	1	30-MAY-03
ORGANIZATION_FullName_text	Data Element	397	1	30-MAY-03
ORGANIZATION_PostalCode_text	Data Element	398	1	30-MAY-03
ORGANIZATION_Role_text	Data Element	399	1	30-MAY-03
ORGANIZATION_StateProvinceName_text	Data Element	400	1	30-MAY-03
RADAR_AntennaHeight_elevation-MSL	Data Element	348	1	30-MAY-03
RADAR_Identification_identifier	Data Element	322	1	30-MAY-03
RADAR_Location_latitude	Data Element	526	1	30-MAY-03

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Preferred Name	*Item Type*	*Data Identifier*	*Version*	*Effective Date*
RADAR_Location_longitude	Data Element	525	1	30-MAY-03
RADAR_MonopulseType_indicator	Data Element	529	1	30-MAY-03
RADAR_PrimarySurveillanceRadarMaxRange_quantity	Data Element	324	1	30-MAY-03
RADAR_PrimaryType_indicator	Data Element	383	1	30-MAY-03
RADAR_SecondarySurveillanceRadarMaxRange_quantity	Data Element	325	1	30-MAY-03
RADAR_SecondaryType_indicator	Data Element	326	1	30-MAY-03
RADAR_TimeAlignmentMessageType_code	Data Element	327	1	30-MAY-03
RADAR_TrackerType_indicator	Data Element	328	1	30-MAY-03
RADAR_WeatherType_indicator	Data Element	329	1	30-MAY-03
TESTTarget_Location_latitude	Data Element	480	1	30-MAY-03
TESTTarget_Location_longitude	Data Element	481	1	30-MAY-03
TESTTarget_Name_text	Data Element	357	1	30-MAY-03
TESTTarget_PARROT_indicator	Data Element	360	1	30-MAY-03
TESTTarget_PrimarySurveillanceRadar_indicator	Data Element	359	1	30-MAY-03
TESTTarget_SecondarySurveillanceRadar_indicator	Data Element	367	1	30-MAY-03
TESTTarget_Subtype_code	Data Element	522	1	30-MAY-03
TESTTarget_Type_code	Data Element	500	1	30-MAY-03
WEATHERSurfaceObservationMETAR_AmbientTemperature_degrees-Celsius	Data Element	582	1	14-NOV-03
WEATHERSurfaceObservationMETAR_AmbientTemperature_degrees-Celsius-text	Data Element	602	1	14-NOV-03
WEATHERSurfaceObservationMETAR_AviationWeatherReportDateDayAndTime_text	Data Element	710	1	14-NOV-03
WEATHERSurfaceObservationMETAR_AviationWeatherReportModifier_code	Data Element	711	1	14-NOV-03
WEATHERSurfaceObservationMETAR_AviationWeatherReportType_code	Data Element	712	1	14-NOV-03
WEATHERSurfaceObservationMETAR_AviationWeatherReport_day	Data Element	713	1	14-NOV-03
WEATHERSurfaceObservationMETAR_AviationWeatherReport_time-UTC	Data Element	714	1	14-NOV-03
WEATHERSurfaceObservationMETAR_DewPoint_temperature-degrees-Celsius	Data Element	715	1	14-NOV-03
WEATHERSurfaceObservationMETAR_DewPoint_temperature-degrees-Celsius-text	Data Element	716	1	14-NOV-03
WEATHERSurfaceObservationMETAR_DirectionalOctant_code-compass-points	Data Element	662	1	14-NOV-03
WEATHERSurfaceObservationMETAR_HourlyTemperatureAndDewPoint_text	Data Element	663	1	14-NOV-03
WEATHERSurfaceObservationMETAR_MaximumAmbientTemperature_degrees-Celsius	Data Element	664	1	14-NOV-03

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Preferred Name	*Item Type*	*Data Identifier*	*Version*	*Effective Date*
WEATHERSurfaceObservationMETAR_MaximumMinimumTemperatureGroup_text	Data Element	665	1	14-NOV-03
WEATHERSurfaceObservationMETAR_MeteorologicalStation_identifier-ICAO	Data Element	666	1	14-NOV-03
WEATHERSurfaceObservationMETAR_MinimumAmbientTemperature_degrees-Celsius	Data Element	667	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PeakWind_text	Data Element	583	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PrecipitationAccumulationGroup_text	Data Element	668	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PrecipitationAccumulationTime_code	Data Element	669	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PrecipitationAccumulation_quantity	Data Element	670	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text	Data Element	671	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PressureChange_quantity-hectopascal	Data Element	672	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PressureTendencyCharacteristic_code	Data Element	673	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PressureTendency_text	Data Element	674	1	14-NOV-03
WEATHERSurfaceObservationMETAR_PrevailingVisibility_code	Data Element	675	1	14-NOV-03
WEATHERSurfaceObservationMETAR_RunwayVisualRangeConstantVisibility_quantity-feet	Data Element	676	1	14-NOV-03
WEATHERSurfaceObservationMETAR_RunwayVisualRangeDesignatedRunway_identifier	Data Element	677	1	14-NOV-03
WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text	Data Element	678	1	14-NOV-03
WEATHERSurfaceObservationMETAR_RunwayVisualRangeHighestVisibility_quantity-feet	Data Element	679	1	14-NOV-03
WEATHERSurfaceObservationMETAR_RunwayVisualRangeLowestVisibility_quantity-feet	Data Element	680	1	14-NOV-03
WEATHERSurfaceObservationMETAR_RunwayVisualRangeVisibilityPrefix_code	Data Element	1522	1	14-NOV-03
WEATHERSurfaceObservationMETAR_SeaLevelPressure_text	Data Element	681	1	14-NOV-03
WEATHERSurfaceObservationMETAR_SectorVisibility_text	Data Element	682	1	14-NOV-03
WEATHERSurfaceObservationMETAR_SkyConditionCloudLayerHeight_elevation-AGL	Data Element	683	1	14-NOV-03
WEATHERSurfaceObservationMETAR_SkyConditionCloudType_code	Data Element	684	1	14-NOV-03
WEATHERSurfaceObservationMETAR_SkyConditionGroup_text	Data Element	685	1	14-NOV-03
WEATHERSurfaceObservationMETAR_SkyConditionSkyCover_code	Data Element	686	1	14-NOV-03
WEATHERSurfaceObservationMETAR_StationAltimeterSetting_pressure-barometric	Data Element	687	1	14-NOV-03
WEATHERSurfaceObservationMETAR_SurfaceVisibility_code	Data Element	688	1	14-NOV-03
WEATHERSurfaceObservationMETAR_TemperatureDewPointGroup_text	Data Element	689	1	14-NOV-03
WEATHERSurfaceObservationMETAR_ThunderstormLocationAndMovement_text	Data Element	690	1	14-NOV-03
WEATHERSurfaceObservationMETAR_TowerVisibility_code	Data Element	691	1	14-NOV-03

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Preferred Name	*Item Type*	*Data Identifier*	*Version*	*Effective Date*
WEATHERSurfaceObservationMETAR_VariableCeilingHeightHighest_elevation-AGL	Data Element	692	1	14-NOV-03
WEATHERSurfaceObservationMETAR_VariableCeilingHeightLowest_elevation-AGL	Data Element	693	1	14-NOV-03
WEATHERSurfaceObservationMETAR_VariableCeilingHeight_text	Data Element	694	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WeatherPhenomenonBeginningTime_time-UTC	Data Element	695	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WeatherPhenomenonDescriptor_code	Data Element	696	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WeatherPhenomenonEndingTime_time-UTC	Data Element	697	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WeatherPhenomenonIntensityProximity_code	Data Element	698	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WeatherPhenomenonObscuration_code	Data Element	699	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WeatherPhenomenonOther_code	Data Element	700	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WeatherPhenomenonPrecipitation_code	Data Element	701	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text	Data Element	702	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindDirectionVariability_text	Data Element	703	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindDirectionVariesFrom_degrees-true-north	Data Element	704	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindDirectionVariesTo_degrees-true-north	Data Element	705	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindDirection_degrees-true-north	Data Element	706	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindShift_ text	Data Element	707	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindSpeedGust_rate-knots	Data Element	708	1	14-NOV-03
WEATHERSurfaceObservationMETAR_WindSpeed_rate-knots	Data Element	709	1	14-NOV-03

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 227 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AERONAUTICALFacility_Location_Identifier

Definition: A three to five letter code group formulated in accordance with rules prescribed by ICAO and assigned by the governing aviation authority to an aeronautical facility.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
'LOCATION IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.
'LOCATION INDICATORS'	ICAO 7910 The authorized source for ICAO aerodrome names and facilities.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 5

Interchange Format: AAA(A)(A)

Unit Of Measure: N/A ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): DCA

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARNTCLFclty_Lctn_idnfr	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 409 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_Category_text

Definition: A means by which aircraft are grouped based on how the aircraft is supported in flight.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
FIXED WING	FIXED WING FIXED WING denotes a heavier-than-air aircraft that is supported in all phases of flight by the dynamic reaction of the air against its wings.
HYBRID LIFT	HYBRID LIFT HYBRID LIFT denotes a heavier-than-air aircraft that is supported at vertical takeoff, vertical landing, and low speed flight by the dynamic reaction of the air against its rotors or thrust and in horizontal flight by the dynamic reactions of air against its wings (for example, the tilt-rotor aircraft).
LIGHTER-THAN-AIR	LIGHTER-THAN-AIR LIGHTER-THAN-AIR denotes an aircraft that can rise and remain suspended by using contained gas weighing less than the air that is displaced by the gas..
OTHER	OTHER OTHER denotes a unique configuration that is not specifically a fixed wing, rotorcraft, lighter-than-air, or hybrid lift.
ROTORCRAFT	ROTORCRAFT ROTORCRAFT denotes a heavier-than-air aircraft that is supported in flight by the dynamic reaction of the air against its rotors on a substantially vertical axis.

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 25

Interchange Format: A...A(25)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 28-MAY-03 ***Effective End Date:***

Example(s): FIXED WING

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_CATEGORY	SYNONYM	FAA
Category	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 411 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_Make_text

Definition: The name assigned to the aircraft by the manufacturer when each aircraft was produced. In most cases aircraft make is the organisation common name of the aircraft manufacturer. If the organisation that holds rights to an aircraft design permits another organisation to build that aircraft, in most cases the aircraft make would be the aircraft name assigned by the organisation that holds rights to an aircraft design. If an aircraft manufacturer is amateur construction, in most cases the aircraft make would be the name of the organisation responsible for design.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Aircraft Makes are recorded in the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team International Standard for Aircraft Make, Model, and Series Groupings.

Minimum Length: ***Maximum Length:*** 30

Interchange Format: A...A(30)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): BOEING - BOEING

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_MAKE	SYNONYM	FAA
MakeName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 412 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_MasterModel_text

Definition: An aircraft master model creates a grouping of similar aircraft models for analytical purposes and to identify aircraft models that share airworthiness properties. The master model is derived by combining the original aircraft make and aircraft model.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Aircraft Master Models are recorded in the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team International Standard for Aircraft Make, Model, and Series Groupings.

Minimum Length: ***Maximum Length:*** 51

Interchange Format: A...A(51)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): BOEING-707

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_MASTER_MODEL	SYNONYM	FAA
MasterModelName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 413 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_MasterSeries_text

Definition: An aircraft master series creates a grouping of similar aircraft series for analytical purposes and to identify aircraft series that share airworthiness properties. A master series contains aircraft series from within one aircraft model.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

An aircraft master series creates a grouping of similar aircraft series for analytical purposes and to identify aircraft series that share airworthiness properties. A master series contains aircraft series from within one aircraft model.

Minimum Length: ***Maximum Length:*** 20

Interchange Format: A...A(20)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 200

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_MASTER_SERIES	SYNONYM	FAA
MasterSeriesName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 410 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_Model_text

Definition: An aircraft model is an aircraft manufacturer’s designation for an aircraft grouping with similar design or style of structure.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Aircraft Models are recorded in the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team International Standard for Aircraft Make, Model, and Series Groupings.

Minimum Length: ***Maximum Length:*** 20

Interchange Format: A...A(20)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 727

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_MODEL	SYNONYM	FAA
ModelName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 414 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_PopularName_text

Definition: Aircraft popular name, which is the name used by the aircraft manufacturer to market or otherwise distinguish a particular aircraft model and/or series or the name used by a national military or armed forces to distinguish a particular aircraft model and/or series.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Aircraft Popular Names are recorded in the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team International Standard for Aircraft Make, Model, and Series Groupings.

Minimum Length: ***Maximum Length:*** 30

Interchange Format: A...A(30)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): SKYHAWK

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_POPULAR_NAME	SYNONYM	FAA
PopularName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 416 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_Series_text

Definition: An aircraft series is an aircraft manufacturer’s designation to identify differences within an aircraft model grouping.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Aircraft Series are recorded in the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team International Standard for Aircraft Make, Model, and Series Groupings.

Minimum Length: ***Maximum Length:*** 20

Interchange Format: A...A(20)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): B4605R

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_SERIES	SYNONYM	FAA
SeriesName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 415 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_SubCategory_text

Definition: A means by which an aircraft category is subdivided based on similar characteristics of propulsion.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
AIRPLANE	AIRPLANE AIRPLANE denotes a fixed wing aircraft that contains at least one engine and whose primary function is sustained powered flight.
AIRSHIP	AIRSHIP AIRSHIP denotes a power-driven lighter-than-air aircraft.
BALLOON	BALLOON BALLOON denotes a non-power-driven lighter-than-air aircraft.
GYROPLANE	GYROPLANE GYROPLANE denotes a rotorcraft that primarily depends on rotors that rotate by action of the air.
HELICOPTER	HELICOPTER HELICOPTER denotes a rotorcraft that primarily depends on engine-driven rotors for motion.
NON-POWERED GLIDER	NON-POWERED GLIDER NON-POWERED GLIDER denotes a fixed wing aircraft that does not contain an engine and whose primary function is sustained non-powered flight.
NOT APPLICABLE	NOT APPLICABLE
POWERED GLIDER	POWERED GLIDER POWERED GLIDER denotes a fixed wing aircraft that contains at least one engine and whose primary function is sustained non-powered flight.

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 20

Interchange Format: A...A(20)

Unit Of Measure: N/A ***Unit of Measure Precision:***

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): AIRPLANE

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
AIRCRAFT_SUB_CATEGORY	SYNONYM	FAA
SubCategory	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 417 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_TypeCertificate_text

Definition: A type certificate is the document issued by one or more National Civil Aviation Authorities (NCAAs) to one or more groupings of aeronautical products having similar design, performance, and safety characteristics. A type certificate and its associated data sheets detail the type design, basis of certification, and applicable standards and limitations of an aeronautical product, as specified by the NCAA.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Aircraft type cerificates are recorded in the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team International Standard for Aircraft Make, Model, and Series Groupings.

Minimum Length: ***Maximum Length:*** 10

Interchange Format: A...A(10)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): H-88

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
TYPE_CERTIFICATE	SYNONYM	FAA
TypeCertificateName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 418 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRCRAFT_TypeDesignatorICAO_text

Definition: The ICAO Aircraft Type Designator is designed for use by air traffic service for identifying a type of aircraft and are recorded in ICAO Document 8643, Aircraft Type Designators, for those aircraft types most commonly provided with air traffic service.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The Aircraft Type Designator recorded in ICAO Document 8643, Aircraft Type Designators. The document contains designators for those aircraft types which are most commonly provided with air traffic services (ATS).

Minimum Length: ***Maximum Length:*** 4

Interchange Format: AAAA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): P28R

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ICAO_AIRCRAFT_TYPE_DESIGNATOR	SYNONYM	FAA
IcaoDesignator	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 228 ***Version:*** 2

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_HighestLandingAreaPoint_elevation-MSL

Definition: The vertical distance to the highest point of any commissioned runway, turfed or paved, of the airport measured from the mean sea level (MSL) datum.

Data Type: DECIMAL ***Data Type Definition:*** The set of real numbers with an exact fractional part

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The height or vertical distance of a level, a point, or object considered as a point, on, above, or below the surface of the earth, measured in feet optionally to the nearest tenth of a foot, from the earth's mean sea level (MSL) datum. See the Data Element Definition for constraints on precision or range of values.

Minimum Length: 1 ***Maximum Length:*** 7

Interchange Format: (-)NNNNN(.N)

Unit Of Measure: FOOT ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: ft; 1 foot = 12 inches

Low Value: -300.0 ***High Value:*** 30000.0

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 35.2

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_HGHSTLNDNGARPNT_ELVTN-MS	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note - This version clarifies and improves the earlier definition by changing "the highest point on the landing area" to "the highest point of any commissioned runway, turfed or paved."

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 527 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_Lighted_code

Definition: Indication of whether an airport is lighted or not and, if so, whether lighting is pilot-controlled.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N	N => NO
P	P => PILOT CONTROLLED
Y	Y => YES

Non-Enumerated Value Domain Description

Minimum Length: 0 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): Y - Airport is lighted.

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRTSTRS_LGHTD_CD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 231 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_LocationElevationHorizontalEllipsoidalDatum_code

Definition: A code specifying the geodetic datum ellipsoid employed in describing the horizontal coordinates of the airport landing facility reference point.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'SURVEY CODES'	FAA NO. 405 Standards for Aeronautical Surveys and Related Products.

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 10

Interchange Format: A...A(10)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): NAD-83

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_LCTNELVTNHRZNELPSDDTM_CD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 233 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_LocationElevationOrthometricDatum_code

Definition: The code specifying the reference orthometric datum used in computing the airport landing facility elevation at the specified location.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'SURVEY CODES'	FAA NO. 405 Standards for Aeronautical Surveys and Related Products.

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 10

Interchange Format: A...A(10)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): NAVD-88

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_LCTNELVTNORTHMTRCDTM_CD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 234 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_Location_identifier-FAA

Definition: The location identifier assigned to an airport landing facility under jurisdiction of the US FAA National Airspace System (NAS).

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'LOCATION IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 4

Interchange Format: AAA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): AK38

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_LCTN_IDNTFR-FAA	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 235 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_Location_identifier-ICAO

Definition: The landing facility location identifier that was created in accordance with the ICAO rules, assigned to the airport, and must be employed in filing of international flight plans conducted under the ICAO rules

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'LOCATION IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.
'LOCATION INDICATORS'	ICAO 7910 The authorized source for ICAO aerodrome names and facilities.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 4

Interchange Format: AAAA

Unit Of Measure: N/A ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): KDCA

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_LCTN_IDNTFR-ICAO	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 237 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_MagneticVariation_year

Definition: The year in which the earth's magnetic field is authoritatively described for the airport landing facility.

Data Type: INTEGER ***Data Type Definition:*** The set of positive and negative whole numbers and zero

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A specific year in the Gregorian calendar presented in four digits in the form YYYY.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: YYYY

Unit Of Measure: YEAR ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: yr; 1 year = 365 days

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): 1998

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_MGNTCVRTN_YR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 226 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_Name_text

Definition: The name assigned to the airport landing facility by the Federal Aviation Administration

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'LOCATION IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 39

Interchange Format: A...A(39)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): Chicago O'Hare Int'l. Airport

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_NM_TXT	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 238 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_PhysicalInspection_date

Definition: The most recent physical inspection date of an airport landing facility.

Data Type: DATE ***Data Type Definition:*** A time duration specified by year, month & day of month

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

An identification of a particular Gregorian calendar day expressed by its calendar year, ordinal numbered calendar month, and the ordinal numbered day within its calendar month, in the form YYYYMMDD.

Minimum Length: 8 ***Maximum Length:*** 8

Interchange Format: YYYYMMDD

Unit Of Measure: YEAR,MONTH,DAY ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: Gregorian Calendar

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): 20000630

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_PHSCLINSPCTN_DT	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 240 ***Version:*** 2

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_ReferencePoint_latitude

Definition: The latitude of the airport reference point. An airport reference point (ARP) is the centroid of the runway ends of an airport as determined by an agreement between FAA Air Traffic Airspace Managment and Aviation Systems Standards organizations.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance of a point from the earth's equator, North or South, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range of values.

Minimum Length: 7 ***Maximum Length:*** 11

Interchange Format: DDMMSS(.SSS)[N/S]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 000000(.000)[N/S] ***High Value:*** 900000(.000)[N/S]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 753440.3N

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_RFRNCPNT_LTD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note - this version amplifies and clarifies the definition to make it explicit that the Airport Reference Point (ARP) is the centroid of the airport and generally not the point at which airport elevation is determined.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 239 ***Version:*** 2

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_ReferencePoint_longitude

Definition: The longitude of the airport reference point. An airport reference point (ARP) is the centroid of the runway ends of an airport as determined by an agreement between FAA Air Traffic Airspace Management and Aviation Systems Standards organizations.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance between a given point and the zero meridian passing through Greenwich, England, East or West, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range.

Minimum Length: 7 ***Maximum Length:*** 12

Interchange Format: DDDMMSS(.SSS)[E/W]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 0000000(.000)[E/W] ***High Value:*** 1800000(.000)[E/W]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 1354350.9W

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_RFRNCPNT_LNGTD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note - This version amplifies and clarifies the definition to make it explicit that the Airport Reference Point (ARP) is the centroid of the airport and generally not the point at which airport elevation is determined.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 460 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: AIRPORT_ReferencePoint_magnetic-variation

Definition: The angular difference between true north and magnetic north as determined from an epoch year description of the earth's magnetic field at the airport reference point. An airport reference point (ARP) is the centroid of the runway ends of an airport as determined by an agreement between FAA Air Traffic Airspace Management and Aviation Systems Standards organizations.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: UCS

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular difference between true north and magnetic north as determined from an epoch year description of the earth's magnetic field at a particular point, expressed in degrees, optional tenths of a degree, and direction East or West of the Zero variation line. See the Data Element Definition for any constraints on precision or range of values.

Minimum Length: 3 ***Maximum Length:*** 5

Interchange Format: DD(.D)[E/W]

Unit Of Measure: DEGREE (ANGLE) ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: °; 1 degree = (pi/180) radians

Low Value: 0.0[E/W] ***High Value:*** 90.0[E/W]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 4.0W

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARPRT_RFRNCPNT_MGNTCVRTN	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note - This version amplifies and clarifies the definition to make it explicit that the Airport Reference Point (ARP) is the centroid of the airport and generally not the point at which airport elevation is determined. The element has also been renamed to match the clarified definition. Former name is AIRPORT_MagneticVariation_degrees; former number is #236.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 241 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ARTCC_AirportExclusion_identifier

Definition: The code designating the Air Route Traffic Control Center within whose published boundaries an airport landing facility lies but does not confer authority to control aircraft within the airport's airspace.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'LOCATION IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 4

Interchange Format: AAA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): ZNY

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARTCC_ARPRTEXCLSN_IDNTFR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 242 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ARTCC_AirportResponsibility_identifier

Definition: The assigned identifier of the Air Route Traffic Control Center that has control over an airport's airspace through a letter of agreement with the neighboring "boundary" ARTCC.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'LOCATION IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 4

Interchange Format: AAA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): ZID

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARTCC_ARPRTRSPNSBLT_IDNTFR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 244 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ARTCC_Facility_identifier

Definition: The identifier assigned to an air traffic control facility established to provide service to aircraft operating on IFR flight plans within controlled airspace and principally during the en route phase of flight.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'LOCATION IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 4

Interchange Format: AAA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): ZDC

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ARTCC_FCLT_IDNIFR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 334 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FIX_Description_text

Definition: Description or name of a point used for navigation. A Fix is a geographical point expressed in latitude and longitude. (Refer to FAR Part 71, AIM) [Note, maximum length for this data elements is 30 characters and the format expression is adjusted accordingly. The list of valid values is at FAA Order 7350 (current version) Section 6).

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 30 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 30

Interchange Format: A...A(30)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): ARVON - Description or name of a fix

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
FX_DSCRPTN_TXT	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): (1) - A geographic position determined by visual reference to the surface, by reference to one or more radio NAVAIDS, by celestial plotting, or by another navigation device.
(2) - A geographic point expressed in latitude and longitude. A fix is both an aid for navigation and a reference point for control purposes.
(3) - Note: ATA-100's database has both a Fix ID and a Fix Name field. This data element relates to their Fix Name field.
(4) - Current URL for FAA Order 7350 (Location Identifiers) is http://www.faa.gov/atpubs/LID/LIDHME.HTM.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 335 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FIX_Identification_code

Definition: A unique identifier for the point represented by latitude and longitude and used for navigation and control.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'APPROVED LIST'	FAA ORDER 7350.6 A definitive source listing identification codes for fixes.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 7

Interchange Format: AAA(AAAA)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): SCUPP
10751
MITCH

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
FXSTRS_IDNTFCTN_CD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): 1. - A fix is a geographical position determined by visual reference to the surface, by reference to one or more radio NAVAIDS, by celestial plotting, or by another navigation device.
2 - A fix is a geographical point expressed in latitude and longitude (which are converted to system coordinates). The fix is stored and uniquely identified in adaptation. A fix is both an aid for navigation and a reference point for control purposes.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

3 - fix point/gateway fix--An oceanic reporting point used to transition from or to the North Atlantic Organized Track System and the North Pacific Composite Route System.
5 - Today, newly created fixes are limited to 5 characters by ATA-100 (Sept. 02). Current URL for FAA Order 7350 (Location Identifiers is http://www.faa.gov/atpubs/LID/LIDHME.HTM.
6 - Note: The maximum length of 7 characters is not meant to include a state code.

4 - fix name--A 2 to 5 alphanumeric identification of a geographical point.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 520 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FIX_Location_latitude

Definition: The latitude of the location of a fix; measured as the angular distance from the equator to the fix measured northward or southward from the equator; A fix is a point in space used for navigation.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance of a point from the earth's equator, North or South, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range of values.

Minimum Length: 7 ***Maximum Length:*** 11

Interchange Format: DDMMSS(.SSS)[N/S]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 000000(.000)[N/S] ***High Value:*** 900000(.000)[N/S]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 235423.123S - any latitude of a fix

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 521 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FIX_Location_longitude

Definition: The longitude of the location of a fix; A fix is a point in space used for navigation purposes. Measured as the angle at the pole between the prime meridian (Greenwich, U.K.) and the meridian of a fix, measured eastward or westward from the prime meridian.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance between a given point and the zero meridian passing through Greenwich, England, East or West, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range.

Minimum Length: 7 ***Maximum Length:*** 12

Interchange Format: DDDMMSS(.SSS)[E/W]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 0000000(.000)[E/W] ***High Value:*** 1800000(.000)[E/W]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 1235423.123E - any longitude of a radar

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 2202 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FLIGHTIdentification_EnRouteComputerID_identifier-flight-daa

Definition: An en route computer identifier (ECID) assigned by the en route air traffic control automation system to ensure unique identification of a flight plan. The ECID is represented as <format>daa</format>.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A 3-character identifier where the first character must be a digit and the other characters are letters or digits. The letters I and O are not used. See comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: DAA

Unit Of Measure: ***Unit of Measure Precision:***

Unit Of Measure Definition:

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: EN ROUTE & OCEANIC SYSTEMS DIVISION

Effective Begin Date: 16-SEP-05 ***Effective End Date:***

Example(s): 133

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ECID	ABBREVIATION	FAA
NAS-MD-311, Field 02d	LEGACY NAME	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
FLIGHTIdentification_ComputerID_identifier-flight-dda-ALPHANUMERIC(3,3)	IS RELATED TO	ENROUTEPLUSTFM	1
RO22.0_ECID_identifier-flight-dda-ALPHANUMERIC(3,3)	IS RELATED TO	ENROUTEPLUSTFM	1

Comment(s): Note 1 - The ECID is a field that is transmitted by Host with the flight plans (and referenced in other secondary messages) that are sent to the automation systems in Terminal, Oceanic, TFM, and other domains. In addition, the ECID is used by controllers to identify flights in messages they input to the automation and in verbal communications with other controllers.

Note 2 - The letters I (eye) and O (oh) are not assigned today. Use of other letters that may be confused with numbers, such as B (vs. 8) and Z (vs. 2) is discouraged.
Note 3 - En Route Automation Modernization (ERAM) requires a change in format from the earlier dda to daa to support a larger number of distinct ECIDs.
Note 4 - Both current ECIDs and ERAM ECIDs are ordinarily three digits (ddd), "rolling over" into digit-digit-alphanumeric (dda) only when digits are exhausted. The format change allows ECIDs to roll over into daa when all combinations of ddd and dda have been exhausted.
Note 5 - Source material includes En Route Automation Modernization (ERAM)/Air Traffic Management (ATM) Intermediate Point of Presence (IPOP) Interface Control Document (ICD).

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 1665 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FLIGHT_Phase_code-ICAO

Definition: The code that identifies a period within an aviation flight. A flight begins when any person boards the aircraft with the intention of flight and continues until such time as all such persons have disembarked.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
APR0	APPROACH FLIGHT PHASE Instrument Flight Rules (IFR): From the Initial Approach Fix (IAF) to the beginning of the landing flare. Visual Flight Rules (VFR): From the point of VFR pattern entry, or 1000 feet above the runway elevation, to the beginning of the landing flare.
EMG0	EMERGENCY DESCENT FLIGHT PHASE A controlled descent during any airborne phase in response to a perceived emergency situation.
ENR0	EN ROUTE FLIGHT PHASE Instrument Flight Rules (IFR): From completion of Initial Climb through cruise altitude and completion of controlled descent to the Initial Approach Fix (IAF). Visual Flight Rules (VFR): From completion of Initial Climb through cruise and controlled descent to the VFR pattern altitude or 1000 feet above runway elevation, whichever comes first.
ICL0	INITIAL CLIMB FLIGHT PHASE From the end of the Takeoff sub-phase to the first prescribed power reduction, or until reaching 1000 feet above runway elevation or the VFR pattern, whichever comes first.
LDG0	LANDING FLIGHT PHASE From the beginning of the landing flare until aircraft exits the landing runway, comes to a stop on the runway, or when power is applied for takeoff in the case of a touch-and-go landing
MNV0	MANEUVERING FLIGHT PHASE Low altitude/aerobatic flight operations.
PBT0	PUSHBACK/TOWING FLIGHT PHASE Aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle [tug].
PIM0	POST-IMPACT FLIGHT PHASE Any of that portion of the Flight which occurs after impact with a person, object, obstacle or terrain.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

STD0	STANDING FLIGHT PHASE Prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
TOF0	TAKEOFF FLIGHT PHASE From the application of takeoff power, through rotation and to an altitude of 35 feet above runway elevation.
TXI0	TAXI FLIGHT PHASE The aircraft is moving on the aerodrome surface under its own power prior to takeoff or after landing.
UND0	UNCONTROLLED DESCENT FLIGHT PHASE A descent during any airborne phase in which the aircraft does not sustain controlled flight.
UNK0	UNKNOWN FLIGHT PHASE Phase of flight is not discernable from the information available.

Non-Enumerated Value Domain Description

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: AAAA

Unit Of Measure: ***Unit of Measure Precision:***

Unit Of Measure Definition:

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 06-AUG-04 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CAST/ICAO Taxonomy - The phase of flight metadata including definitions, valid values, and value meanings are identified in the CAST/ICAO Phase of Flight Definitions and Usage Notes document (10/2002).

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

STANDING usage note - Engine shutdown is from the start of the shutdown sequence until the engine(s) cease rotation.
PUSHBACK/TOWING usage note - Unassisted movement in the gate or ramp area is included in the TAXI phase.
TAXI usage note 1 - Throughout the CAST/ICAO Phase of Flight Definitions and Usage Notes document (10/2002) the term runway or landing area is taken in its broadest sense and includes runways, landing strips, waterways, unimproved landing areas, and landing pads (which may include offshore platforms, building roofs, roads, ships, and fields), or other intended landing areas.
TAXI usage note 2 - Taxiing includes air taxiing for rotorcraft.

TAKEOFF usage note - Landback during rotorcraft operations is considered a rejected takeoff.

APPROACH usage note - A holding procedure executed at the IAF is included in the ENROUTE phase.

LANDING usage note - For Rotorcraft, includes both vertical and running landings.

POST-IMPACT usage note - While not a Phase of Flight per se, this phase is added to permit accurate sequence of event reconstruction for occurrences. For example, to capture post impact fire.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 1663 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FLIGHT_Phase_name-ICAO

Definition: The name representing a period within an aviation flight. A flight begins when any person boards the aircraft with the intention of flight and continues until such time as all such persons have disembarked.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
APPROACH	APPROACH FLIGHT PHASE Instrument Flight Rules (IFR): From the Initial Approach Fix (IAF) to the beginning of the landing flare. Visual Flight Rules (VFR): From the point of VFR pattern entry, or 1000 feet above the runway elevation, to the beginning of the landing flare.
EMERGENCY DESCENT	EMERGENCY DESCENT FLIGHT PHASE A controlled descent during any airborne phase in response to a perceived emergency situation.
EN ROUTE	EN ROUTE FLIGHT PHASE Instrument Flight Rules (IFR): From completion of Initial Climb through cruise altitude and completion of controlled descent to the Initial Approach Fix (IAF). Visual Flight Rules (VFR): From completion of Initial Climb through cruise and controlled descent to the VFR pattern altitude or 1000 feet above runway elevation, whichever comes first.
INITIAL CLIMB	INITIAL CLIMB FLIGHT PHASE From the end of the Takeoff sub-phase to the first prescribed power reduction, or until reaching 1000 feet above runway elevation or the VFR pattern, whichever comes first.
LANDING	LANDING FLIGHT PHASE From the beginning of the landing flare until aircraft exits the landing runway, comes to a stop on the runway, or when power is applied for takeoff in the case of a touch-and-go landing
MANEUVERING	MANEUVERING FLIGHT PHASE Low altitude/aerobatic flight operations.
POST-IMPACT	POST-IMPACT FLIGHT PHASE Any of that portion of the Flight which occurs after impact with a person, object, obstacle or terrain.
PUSHBACK/TOWING	PUSHBACK/TOWING FLIGHT PHASE Aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle [tug].

STANDING	STANDING FLIGHT PHASE Prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
TAKEOFF	TAKEOFF FLIGHT PHASE From the application of takeoff power, through rotation and to an altitude of 35 feet above runway elevation.
TAXI	TAXI FLIGHT PHASE The aircraft is moving on the aerodrome surface under its own power prior to takeoff or after landing.
UNCONTROLLED DESCENT	UNCONTROLLED DESCENT FLIGHT PHASE A descent during any airborne phase in which the aircraft does not sustain controlled flight.
UNKNOWN	UNKNOWN FLIGHT PHASE Phase of flight is not discernable from the information available.

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** N/A

Interchange Format: A...A(30)

Unit Of Measure: ***Unit of Measure Precision:***

Unit Of Measure Definition:

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 06-AUG-04 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CAST/ICAO Taxonomy - The phase of flight metadata including definitions, valid values, and value meanings are identified in the CAST/ICAO Phase of Flight Definitions and Usage Notes document (10/2002).

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 1664 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FLIGHT_SubPhase_code-ICAO

Definition: The code identifying an aviation flight sub-phase within an aviation flight phase.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
APR1	APPROACH INITIAL (IFR) Sub-phase of APPROACH flight phase. From the Initial Approach Fix (IAF) to the Final Approach Fix (FAF).
APR2	APPROACH FINAL (IFR) Sub-phase of APPROACH flight phase. From the Final Approach Fix (FAF) to the beginning of the landing flare.
APR3	APPROACH CIRCUIT PATTERN - DOWNWIND (VFR) Sub-phase of APPROACH flight phase. A flight path (normally 1,000 feet above the runway) which commences abeam the departure end of the runway and runs parallel to the runway in the direction opposite to landing, and terminates upon initiating the turn to base leg.
APR4	APPROACH CIRCUIT PATTERN - BASE (VFR) Sub-phase of APPROACH flight phase. From start of turn at end of downwind leg until the start of the turn for final.
APR5	APPROACH CIRCUIT PATTERN - FINAL (VFR) Sub-phase of APPROACH flight phase. From the start of the turn to intercept the extended runway centerline, normally at the end of base leg, to the beginning of the landing flare. Includes VFR straight-in approaches.
APR6	APPROACH CIRCUIT PATTERN - CROSSWIND (VFR) Sub-phase of APPROACH flight phase. A flight path of the VFR traffic pattern, which is perpendicular to the landing runway, crosses the departure end of the runway, and connects with the downwind leg.
APR7	APPROACH MISSED / GO-AROUND Sub-phase of APPROACH flight phase. From the first application of power after the crew elects to execute a missed approach or go-around until the aircraft re-enters the sequence for a VFR pattern (go-around) or until the aircraft reaches the IAF for another approach (IFR).
ENR1	EN ROUTE CLIMB TO CRUISE Sub-phase of EN ROUTE flight phase. IFR: From completion of Initial Climb to arrival at initial assigned cruise altitude. VFR: From completion of Initial Climb to initial cruise altitude.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

ENR2	EN ROUTE CRUISE Sub-phase of EN ROUTE flight phase. Any level flight segment after arrival at initial cruise altitude until the start of descent to the destination.
ENR3	EN ROUTE CHANGE OF CRUISE LEVEL Sub-phase of EN ROUTE flight phase. Any climb or descent during cruise after the initial climb to cruise, but before descent to the destination.
ENR4	EN ROUTE DESCENT Sub-phase of EN ROUTE flight phase. IFR: Descent from cruise to either Initial Approach Fix (IAF) or VFR pattern entry. VFR: Descent from cruise to the VFR pattern entry or 1000 feet above the runway elevation, whichever comes first.
ENR5	EN ROUTE HOLDING Sub-phase of EN ROUTE flight phase. Execution of a predetermined maneuver (usually an oval race track pattern) which keeps the aircraft within a specified airspace while awaiting further clearance. Descent during holding is also covered in this sub-phase.
LDG1	LANDING FLARE Sub-phase of LANDING flight phase. Transition from nose-low to nose-up attitude just before landing until touchdown.
LDG2	LANDING ROLL Sub-phase of LANDING flight phase. After touchdown until aircraft exits the landing runway or comes to a stop, whichever occurs first.
MNV1	MANEUVERING AEROBATICS Sub-phase of MANEUVERING flight phase. Any intentional maneuvering that exceeds 30 degrees of pitch attitude or 60 degrees of bank, or both, or abnormal acceleration (usually associated with air shows and military flight, or with related training flights).
MNV2	MANEUVERING LOW FLYING _ Sub-phase of MANEUVERING flight phase. Intentional low-altitude flight not connected with a landing or takeoff, usually in preparation for or during observation work, demonstration, photography work, aerial application, training, sight seeing, ostentatious display, or other similar activity. For rotorcraft, this also includes hovering (not associated with landing or takeoff) and handling external loads.
PBT1	PUSHBACK/TOWING ENGINES NOT OPERATING Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) not operating while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug).

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PBT2	PUSHBACK/TOWING ENGINES START-UP Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) start-up while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug).
PBT3	PUSHBACK/TOWING ENGINES OPERATING Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) operating while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug).
PBT4	PUSHBACK/TOWING ENGINES SHUTDOWN Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) shutdown while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug). Engine shutdown is from start of the shutdown sequence until the engine(s) cease rotation.
STD1	STANDING ENGINES NOT OPERATING Sub-phase of STANDING flight phase. Engine(s) not operating prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
STD2	STANDING ENGINES START-UP Sub-phase of STANDING flight phase. Engine(s) start-up prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
STD3	STANDING ENGINES OPERATING Sub-phase of STANDING flight phase. Engine(s) start-up prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
STD4	STANDING ENGINES SHUTDOWN Sub-phase of STANDING flight phase. Engine(s) shutdown prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary. Engine shut down is from the start of the shutdown sequence until the engine(s) cease rotation.
TOF1	TAKEOFF UNDERWAY _ Sub-phase of TAKEOFF flight phase. From the application of takeoff power, through rotation and to an altitude of 35 feet above runway elevation or until gear-up selection, whichever comes first.
TOF2	TAKEOFF REJECTED __ Sub-phase of TAKEOFF flight phase. During Takeoff, from the point where the decision to abort has been taken until the aircraft begins to taxi from the runway.
TXI1	TAXI TO RUNWAY Sub-phase of TAXI flight phase. Commences when the aircraft begins to move under its own power leaving the gate, ramp, apron, or parking area, and terminates upon reaching the runway.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

TXI2	TAXI TO TAKEOFF POSITION Sub-phase of TAXI flight phase. From entering the runway until reaching the takeoff position.
TXI3	TAXI FROM RUNWAY Sub-phase of TAXI flight phase. Begins upon exiting the landing runway and terminates upon arrival at the gate, ramp, apron, or parking area, when the aircraft ceases to move under its own power.

Non-Enumerated Value Domain Description

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: AAAA

Unit Of Measure: ***Unit of Measure Precision:***

Unit Of Measure Definition:

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 06-AUG-04 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CAST/ICAO Taxonomy - The phase of flight metadata including definitions, valid values, and value meanings are identified in the CAST/ICAO Phase of Flight Definitions and Usage Notes document (10/2002).

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 1662 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: FLIGHT_SubPhase_name-ICAO

Definition: The name representing an aviation flight sub-phase period within an aviation flight phase.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
AEROBATICS	MANEUVERING AEROBATICS Sub-phase of MANEUVERING flight phase. Any intentional maneuvering that exceeds 30 degrees of pitch attitude or 60 degrees of bank, or both, or abnormal acceleration (usually associated with air shows and military flight, or with related training flights).
ASSISTED ENGINES NOT OPERATING	PUSHBACK/TOWING ENGINES NOT OPERATING Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) not operating while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug).
ASSISTED ENGINES OPERATING	PUSHBACK/TOWING ENGINES OPERATING Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) operating while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug).
ASSISTED ENGINES SHUTDOWN	PUSHBACK/TOWING ENGINES SHUTDOWN Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) shutdown while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug). Engine shutdown is from start of the shutdown sequence until the engine(s) cease rotation.
ASSISTED ENGINES START-UP	PUSHBACK/TOWING ENGINES START-UP Sub-phase of PUSHBACK/TOWING flight phase. Engine(s) start-up while aircraft is moving in the gate, ramp, or parking area, assisted by a tow vehicle (tug).
CHANGE OF CRUISE LEVEL	EN ROUTE CHANGE OF CRUISE LEVEL Sub-phase of EN ROUTE flight phase. Any climb or descent during cruise after the initial climb to cruise, but before descent to the destination.
CIRCUIT PATTERN - BASE (VFR)	APPROACH CIRCUIT PATTERN - BASE (VFR) Sub-phase of APPROACH flight phase. From start of turn at end of downwind leg until the start of the turn for final.
CIRCUIT PATTERN - FINAL (VFR)	APPROACH CIRCUIT PATTERN - FINAL (VFR) Sub-phase of APPROACH flight phase. From the start of the turn to intercept the extended runway centerline, normally at the end of base leg, to the beginning of the landing flare. Includes VFR straight-in approaches.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

CIRCUIT PATTERN-CROSSWIND(VFR)	APPROACH CIRCUIT PATTERN - CROSSWIND (VFR) Sub-phase of APPROACH flight phase. A flight path of the VFR traffic pattern, which is perpendicular to the landing runway, crosses the departure end of the runway, and connects with the downwind leg.
CIRCUIT PATTERN-DOWNWIND (VFR)	APPROACH CIRCUIT PATTERN - DOWNWIND (VFR) Sub-phase of APPROACH flight phase. A flight path (normally 1,000 feet above the runway) which commences abeam the departure end of the runway and runs parallel to the runway in the direction opposite to landing, and terminates upon initiating the turn to base leg.
CLIMB TO CRUISE	EN ROUTE CLIMB TO CRUISE Sub-phase of EN ROUTE flight phase. IFR: From completion of Initial Climb to arrival at initial assigned cruise altitude. VFR: From completion of Initial Climb to initial cruise altitude.
CRUISE	EN ROUTE CRUISE Sub-phase of EN ROUTE flight phase. Any level flight segment after arrival at initial cruise altitude until the start of descent to the destination.
DESCENT	EN ROUTE DESCENT Sub-phase of EN ROUTE flight phase. IFR: Descent from cruise to either Initial Approach Fix (IAF) or VFR pattern entry. VFR: Descent from cruise to the VFR pattern entry or 1000 feet above the runway elevation, whichever comes first.
ENGINES NOT OPERATING	STANDING ENGINES NOT OPERATING Sub-phase of STANDING flight phase. Engine(s) not operating prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
ENGINES OPERATING	STANDING ENGINES OPERATING Sub-phase of STANDING flight phase. Engine(s) start-up prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
ENGINES SHUTDOWN	STANDING ENGINES SHUTDOWN Sub-phase of STANDING flight phase. Engine(s) shutdown prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary. Engine shut down is from the start of the shutdown sequence until the engine(s) cease rotation.
ENGINES START-UP	STANDING ENGINES START-UP Sub-phase of STANDING flight phase. Engine(s) start-up prior to pushback or taxi, or after arrival, at the gate, ramp, or parking area, while the aircraft is stationary.
FINAL APPROACH (IFR)	APPROACH FINAL (IFR) Sub-phase of APPROACH flight phase. From the Final Approach Fix (FAF) to the beginning of the landing flare.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

HOLDING	EN ROUTE HOLDING Sub-phase of EN ROUTE flight phase. Execution of a predetermined maneuver (usually an oval race track pattern) which keeps the aircraft within a specified airspace while awaiting further clearance. Descent during holding is also covered in this sub-phase.
INITIAL APPROACH (IFR)	APPROACH INITIAL (IFR) Sub-phase of APPROACH flight phase. From the Initial Approach Fix (IAF) to the Final Approach Fix (FAF).
LANDING FLARE	LANDING FLARE Sub-phase of LANDING flight phase. Transition from nose-low to nose-up attitude just before landing until touchdown.
LANDING ROLL	LANDING ROLL Sub-phase of LANDING flight phase. After touchdown until aircraft exits the landing runway or comes to a stop, whichever occurs first.
LOW FLYING	MANEUVERING LOW FLYING _ Sub-phase of MANEUVERING flight phase. Intentional low-altitude flight not connected with a landing or takeoff, usually in preparation for or during observation work, demonstration, photography work, aerial application, training, sight seeing, ostentatious display, or other similar activity. For rotorcraft, this also includes hovering (not associated with landing or takeoff) and handling external loads.
MISSED APPROACH / GO-AROUND	APPROACH MISSED / GO-AROUND Sub-phase of APPROACH flight phase. From the first application of power after the crew elects to execute a missed approach or go-around until the aircraft re-enters the sequence for a VFR pattern (go-around) or until the aircraft reaches the IAF for another approach (IFR).
REJECTED TAKEOFF	TAKEOFF REJECTED __ Sub-phase of TAKEOFF flight phase. During Takeoff, from the point where the decision to abort has been taken until the aircraft begins to taxi from the runway.
TAXI FROM RUNWAY	TAXI FROM RUNWAY Sub-phase of TAXI flight phase. Begins upon exiting the landing runway and terminates upon arrival at the gate, ramp, apron, or parking area, when the aircraft ceases to move under its own power.
TAXI TO RUNWAY	TAXI TO RUNWAY Sub-phase of TAXI flight phase. Commences when the aircraft begins to move under its own power leaving the gate, ramp, apron,

	or parking area, and terminates upon reaching the runway.
TAXI TO TAKEOFF POSITION	TAXI TO TAKEOFF POSITION Sub-phase of TAXI flight phase. From entering the runway until reaching the takeoff position.
UNDERWAY TAKEOFF	TAKEOFF UNDERWAY _ Sub-phase of TAKEOFF flight phase. From the application of takeoff power, through rotation and to an altitude of 35 feet above runway elevation or until gear-up selection, whichever comes first.

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** N/A

Interchange Format: A...A(50)

Unit Of Measure: ***Unit of Measure Precision:***

Unit Of Measure Definition:

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 06-AUG-04 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CAST/ICAO Taxonomy - The phase of flight metadata including definitions, valid values, and value meanings are identified in the CAST/ICAO Phase of Flight Definitions and Usage Notes document (10/2002).

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 340 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOLDINGPattern_Identification_code

Definition: A code that serves as a unique handle or name for a holding pattern.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
APPROVED LIST	NASR CD-SEE TEXT FILE CALLED HPF DEALING WITH HOLDING PATTERNS

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 33

Interchange Format: A . . . A(33)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):
MARSH HARBOR-2
THIEF RIVER FALLS-1
TIDIOUTE
ZANESVILLE-2

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
HLDNGPTRN_IDNTFCTN_CD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note: - NASR CD contains a list of known or published holding patterns in a text file called HPF.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 342 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOLDINGPattern_Length_time-period-minutes

Definition: the time to traverse one holding pattern leg, i.e., after one turn until before the next turn

Data Type: REAL ***Data Type Definition:*** Standard mathematical concept of real numbers

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A portion of time between two time points measures in minutes to the hundredths.

Minimum Length: 4 ***Maximum Length:*** 5

Interchange Format: NN.NN

Unit Of Measure: MINUTE (TIME) ***Unit of Measure Precision:*** hundredths of a minute

Unit Of Measure Definition: one minute = 60 seconds

Low Value: 1.00 ***High Value:*** 30.00

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 3.00

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
HLDNGPTRN_ LNGTH_TM-ORDNL-MNTS	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 375 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOLDINGPattern_Turn_code

Definition: The sense of direction of turn in holding pattern (left or right)as viewed from above (plan view).

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
L	L => LEFT indicates a direct to the left of the observer
R	R => RIGHT indicates a direction to the right of the observer

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): L

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
HLDNGPTRN_TRN_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 344 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOSPITAL_AbbreviatedName_Text

Definition: The abbreviated name of a hospital.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 24 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 24

Interchange Format: A...A(24)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
HSPTL_NM_TXT	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 343 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOSPITAL_HelipadLighting_indicator

Definition: An indication whether or not the hospital has a landing facility for helicopters (helipad), and if it does, whether or not it is lighted for night use

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
HSPTL_HLPD_CD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 483 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOSPITAL_Helipad_indicator

Definition: indication whether or not a hospital has a landing facility for helicopters (helipad). True means it has a helipad; false means it does not.

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 523 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOSPITAL_Location_latitude

Definition: The latitude of the location of a hospital, measured as the angular distance to a point on the earth from the equator northward or southward from the equator.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance of a point from the earth's equator, North or South, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range of values.

Minimum Length: 7 ***Maximum Length:*** 11

Interchange Format: DDMMSS(.SSS)[N/S]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 000000(.000)[N/S] ***High Value:*** 900000(.000)[N/S]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 235323.123N

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Review Issue: - Is there a need for this data element to be structured in a way to allow for computation? If this standard is used, there may be a need in some systems to translate this string so that it can be used in computations. An alternative is to propose a compound data standard consisting of a computable field and the declination (or signum code). STARS splits the numeric part from a signum code (for E,W,N,S).

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 524 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: HOSPITAL_Location_longitude

Definition: The longitude of the location of a hospital measured as the angle at the pole, between the prime meridian (Greenwich, U.K.) and the meridian of a point on the earth, measured eastward or westward from the prime meridian.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance between a given point and the zero meridian passing through Greenwich, England, East or West, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range.

Minimum Length: 7 ***Maximum Length:*** 12

Interchange Format: DDDMMSS(.SSS)[E/W]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 0000000(.000)[E/W] ***High Value:*** 1800000(.000)[E/W]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 1235423.123W

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
HSPTL_LTD_ANGL	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Computation - Is there a need for this data element to be structured in a way to allow for computation? If this standard is used, there may be a need in some systems to translate this string so that it can be used in computations. An alternative is to propose a compound data standard consisting of a compute-able field and the declination (or signum code). STARS splits the numeric part from a signum code (for E,W,N,S). One solution is to eventually have standards for both computational and non-computational latitude and longitude

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 243 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: LANDINGFacility_Site_number

Definition: A number, unique among landing facilities, that serves to identify the site for statistical and records management purposes.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
'SITE IDENTIFIERS'	FAA ORDER 7350.7 The authorized source for FAA airport names and location identifiers.

Non-Enumerated Value Domain Description

Minimum Length: 7 ***Maximum Length:*** 10

Interchange Format: NNNNN.(N)(N)(N)A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ATA-100 = AERONAUTICAL INFORMATION DIVISION

Effective Begin Date: 06-DEC-01 ***Effective End Date:***

Example(s): 18753.135h

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
LNDNGFCLT_ST_NMBR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 402 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_Acronym_text

Definition: The organization acronym consists of the first letters of the components of the organization's full name. In most cases, description of organization's legal form (for example, Limited, Sociedad Anonima, or die Gesellschaft mit beschraenkter Haftung) is excluded. Examples of acronyms are BHT for Bell Helicopter Textron, Inc. and DHC for de Havilland of Canada.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US8ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 50 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 50

Interchange Format: A...A(50)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): DHC

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
Acronym	SYNONYM	FAA
ORG_ACRONYM	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 403 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_AddressLine1_text

Definition: Contains the first line of information related to an Organization's contact information. Actual content is subject to the associated element, Organization Address Type. For example,if the address type is PHYSICAL ADDRESS, this contains the first line of an address where the organization is located.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US8ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 50 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 50

Interchange Format: A...A(50)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 800 Independence Ave, SW
www.stemme.de
contact.name@company.com

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ADDRESS_LINE1	SYNONYM	FAA
AddressLine1	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 404 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_AddressLine2_text

Definition: The second line of an address in which the organization is located subject to Organization Address Type.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US8ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 50 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 50

Interchange Format: A...A(50)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): Room 1006

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ADDRESS_LINE2	SYNONYM	FAA
AddressLine2	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 405 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_AddressType_text

Definition: Qualifies the type of location expressed in the address. For example, the type PHYSICAL ADDRESS is the one associated with the address that reflects the actual site where the organization is located.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
MAILING ADDRESS	POSTAL DELIVERY ADDRESS
PHYSICAL ADDRESS	PHYSICAL LOCATION

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 25

Interchange Format: A...A(25)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): MAILING ADDRESS - PO Box 922

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ADDRESS_TYPE	SYNONYM	FAA
AddressType	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 396 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_CityName_text

Definition: The full name of a city in which the organization is located.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US8ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 50 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 50

Interchange Format: A...A(50)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): Dorval

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
CITY_NAME	SYNONYM	FAA
CityName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 406 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_CommonName_text

Definition: The abbreviated or shortened name to which an organization is referred. For example the ORG_COMMON_NAME for The Boeing Company is BOEING and CANADAIR is the ORG_COMMON_NAME for Canadair Limited.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 30 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 30

Interchange Format: A...A(30)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): BURKHART GROB

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
CommonName	SYNONYM	FAA
ORG_COMMON_NAME	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 407 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_CountryName_code

Definition: The official name of a country or sovereignty and related codes as represented in the International Organization for Standardization (ISO) 3166, Official Country Codes.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The country name recorded in ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions - Part 1: Country codes.

Minimum Length: ***Maximum Length:*** 50

Interchange Format: A...A(50)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): BRAZIL

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
COUNTRY	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 397 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_FullName_text

Definition: The entire official or legal name of the organization.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US8ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 100 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 100

Interchange Format: A...A(100)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): Avions de Transport Regional

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
FullName	SYNONYM	FAA
ORG_FULL_NAME	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 398 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_PostalCode_text

Definition: The postal code associated with an address in which the organization is located.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US8ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 50 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 50

Interchange Format: A...A(50)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T2P 2G6

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
POSTAL_IDENTIFIER	SYNONYM	FAA
PostalCode	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 399 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_Role_text

Definition: A role type distinguishes the function an organisation performs in regard to the aviation industry. Examples of roles include Aircraft Manufacturer and Kit Producer.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
AIR CARRIER	AIR CARRIER
AIRCRAFT MANUFACTURER	AIRCRAFT MANUFACTUER
ENGINE MANUFACTURER	ENGINE MANUFACTURER
KIT PRODUCER	KIT PRODUCER A KIT PRODUCER is the organization that produces kits for amateur construction.
NCAA	NATIONAL CIVIL AVIATION AUTHORITY

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 30

Interchange Format: A...A(30)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): AIRCRAFT MANUFACTURER

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
ORG_ROLE	SYNONYM	FAA
OrganizationRole	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 400 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: ORGANIZATION_StateProvinceName_text

Definition: The state, province, or other subdivision of a country in which the organization is located.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US8ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 50 formatted alphanumeric characters.

Minimum Length: 1 ***Maximum Length:*** 50

Interchange Format: A...A(50)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: ASY-100=SAFETY INFORMATION ENGINEERING & ANALYSIS

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): Quebec

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
STATE_PROVINCE_NAME	SYNONYM	FAA
StateProvinceName	SYNONYM	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): CICTT - Standard established by the Commercial Aviation Safety Team (CAST)/ International Civil Aviation Organization (ICAO) Common Taxonomy Team.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 348 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_AntennaHeight_elevation-MSL

Definition: Antenna height above mean sea level (MSL) as measured from the top of the antenna. (Note: The range of the generic value domain is limited for this data element to integers with a low value of 0 and a high value of 27000,)

Data Type: DECIMAL ***Data Type Definition:*** The set of real numbers with an exact fractional part

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The height or vertical distance of a level, a point, or object considered as a point, on, above, or below the surface of the earth, measured in feet optionally to the nearest tenth of a foot, from the earth's mean sea level (MSL) datum. See the Data Element Definition for constraints on precision or range of values.

Minimum Length: 1 ***Maximum Length:*** 7

Interchange Format: (-)NNNNN(.N)

Unit Of Measure: FOOT ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: ft; 1 foot = 12 inches

Low Value: -300.0 ***High Value:*** 30000.0

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 856

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_ANTNHGHT_QNTY	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 322 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_Identification_identifier

Definition: A unique identifier for the radar

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
FSEP LIST	FACILITY, SERVICE, AND EQUIPMENT PROFILE (FSEP) AS MAINTAINED BY AOP

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 4

Interchange Format: (A)AAA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_IDNTFCTN_IDNTFR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 526 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_Location_latitude

Definition: The latitude of the location of a radar, measured from the center of the radar. Latitude is measured as the angular distance from the equator measured northward or southward from the equator.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance of a point from the earth's equator, North or South, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range of values.

Minimum Length: 7 ***Maximum Length:*** 11

Interchange Format: DDMMSS(.SSS)[N/S]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 000000(.000)[N/S] ***High Value:*** 900000(.000)[N/S]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 235423.123S - latitude of a radar

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 525 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_Location_longitude

Definition: The longitude of the location of a radar, measured from the center of the radar. Longitude is measured as the angle at the pole, between the prime meridian (Greenwich, U.K.) and the meridian of a point on the earth (the radar), measured eastward or westward from the prime meridian.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance between a given point and the zero meridian passing through Greenwich, England, East or West, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range.

Minimum Length: 7 ***Maximum Length:*** 12

Interchange Format: DDDMMSS(.SSS)[E/W]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 0000000(.000)[E/W] ***High Value:*** 1800000(.000)[E/W]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 1235423.123E

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 529 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_MonopulseType_indicator

Definition: indicates whether the Secondary Surveillance Radar (SSR) is of monopulse type (true)or not (false)

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_MNPLSTP_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 324 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_PrimarySurveillanceRadarMaxRange_quantity

Definition: Furthest distance from the radar at which primary surveillance data is received.

Data Type: INTEGER ***Data Type Definition:*** The set of positive and negative whole numbers and zero

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Quantity: a non-monetary numeric value subject to computational manipulations. The explicit value domain is positive integers from 0 to 250 representing a measurement in nautical miles.

Minimum Length: 1 ***Maximum Length:*** 3

Interchange Format: NNN

Unit Of Measure: NAUTICAL MILE ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: nm; 1 nautical mile = 1852 meters

Low Value: 0 ***High Value:*** 250

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 200

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_PRMRYSRVLNCRDRMXRNG_QNTY	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note - AND review and comment is invited on the high value in terms of future technology capabilties. We understand that current technology supports less than a 250 nautical mile range for long range radar.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 383 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_PrimaryType_indicator

Definition: Indicates whether this radar generates primary surveillance data -that based upon echo from the radar's own emitted energy (true), or not (false).
Usage of the sensor as follows:
Primary selected => this radar generates primary surveillance radar (PSR) data

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_PRMRYTP_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 325 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_SecondarySurveillanceRadarMaxRange_quantity

Definition: The furthest distance from the radar at which Secondary Surveillance Radar data is received.

Data Type: INTEGER ***Data Type Definition:*** The set of positive and negative whole numbers and zero

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Quantity: a non-monetary numeric value subject to computational manipulations. The explicit value domain is positive integers from 0 to 255 representing a measurement in nautical miles.

Minimum Length: 1 ***Maximum Length:*** 3

Interchange Format: NNN

Unit Of Measure: NAUTICAL MILE ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: nm; 1 nautical mile = 1852 meters

Low Value: 0 ***High Value:*** 255

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): 150

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_SCNDRYSRVLNCRDRMXRNG_QNTY	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 326 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_SecondaryType_indicator

Definition: Indicates whether this sensor generates secondary surveillance data, that is, processes transponder data received from aircraft in response to an interrogation of the aircraft transponder

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_SCNDRYTP_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 327 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_TimeAlignmentMessageType_code

Definition: The radar message type, either Real Time Quality Control(RTQC) or north sector mark, to be used as a time alignment message (TAM)

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
BEACON_RTQC	REAL TIME QUALITY CONTROL AND SSR a kind of message type that involves real time quality control and secondary surveillance radar
BEACON_SECTOR	SECONDARY secondary surveillance radar
SEARCH_RTQC	REAL TIME QUALITY CONTROL AND PRIMARY a kind of message type that involves real time quality control and primary radars
SEARCH_SECTOR	PRIMARY RADAR primary radar domain

Non-Enumerated Value Domain Description

Minimum Length: ***Maximum Length:*** 13

Interchange Format: A...A(13)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): SEARCH_SECTOR

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_TMALGNMNTMSGTP_CD	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note - As an enumerated value domain, this is readily extensible, if need be.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 328 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_TrackerType_indicator

Definition: Indicates whether the sensor includes a tracker algorithm at the radar head.

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_TRCKRTP_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 329 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: RADAR_WeatherType_indicator

Definition: Indicates whether this radar generates weather data (true) or not (false).

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
RDR_WTHRTP_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 480 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_Location_latitude

Definition: The latitude of a test target, indication location information about the test target. Test targets are used to test the accuracy of radar systems. If the target is a real object, then the measurement is taken at the center of the object. However, if the test target is synthetic or simulated, then there are no more details or specifications on where the location is measured within the target Measured as the angular distance northward or southward from the equator.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance of a point from the earth's equator, North or South, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range of values.

Minimum Length: 7 ***Maximum Length:*** 11

Interchange Format: DDMMSS(.SSS)[N/S]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 000000(.000)[N/S] ***High Value:*** 900000(.000)[N/S]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 481 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_Location_longitude

Definition: The longitude of a test target, indicating location information about the test target; If the target is a real object, then the measurement is taken at the center of the object. However, if the test target is synthetic or simulated, then there are no more details or specifications on where the location is measured within the target Test targets are used to test the accuracy of radar systems.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The angular distance between a given point and the zero meridian passing through Greenwich, England, East or West, expressed in degrees, minutes, and seconds optionally to thousandths of a second, and direction, in accordance with the WGS84 global reference frame. See Data Element Definition for any constraints on precision or range.

Minimum Length: 7 ***Maximum Length:*** 12

Interchange Format: DDDMMSS(.SSS)[E/W]

Unit Of Measure: DEGREE,MINUTE,SECOND ***Unit of Measure Precision:*** N/A

Unit Of Measure Definition: 60 seconds = 1 minute, 60 minutes - 1 degree

Low Value: 0000000(.000)[E/W] ***High Value:*** 1800000(.000)[E/W]

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 357 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_Name_text

Definition: Preferred name of the test target, by which the target is known to the software.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of 1 to 15 upper case letters and/or digits.

Minimum Length: 1 ***Maximum Length:*** 15

Interchange Format: A...A(15)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): VPS-1
TT1
TT3

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
TSTTRGT_NM_IDNTFR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Review issue: - here a need to share such test target data across NAS systems or is this not a candidate for data standardization?

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 360 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_PARROT_indicator

Definition: Indication whether the parameters being specified are for the radar's Position Adjustable Range Reference Orientation Transponder(PARROT)s (true) or not (false).

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): F

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
TSTTRGT_PSTNADJSTBLRNGORNTTNTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 359 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_PrimarySurveillanceRadar_indicator

Definition: Indication of whether parameters specified are for a Primary Surveillance Radar(PSR) test target (true) or not (false); indication of whether or not this radar test target can provide primary radar data.

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
TSTTRGT_PRMRYSRVLNCRDR_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 367 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_SecondarySurveillanceRadar_indicator

Definition: Indication of whether parameters specified are for a Secondary Surveillance Radar (SSR) test target (true) or not (false).

Data Type: BOOLEAN ***Data Type Definition:*** Mathematical concept of binary-valued logic

Character Set: EBCDIC

Enumerated Value Domain Permissible Values	***Value Meaning***
F	F => FALSE
T	T => TRUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s): T

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***
TSTTRGT_SCNDRYSRVLNCRDR_INDCTR	ABBREVIATION	FAA

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 522 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_Subtype_code

Definition: The set of subtypes of a test target depending on whether it is a primary or secondary test target type (identified by TestTarget_code_indicator).

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
CPME	CPME => CALIBRATED POSITIONAL MONITORING EQUIPMENT For secondary test targets only: a device used by the secondary portion of the radar for quality control monitoring.
MTI	MTI => MOVING TARGET INDICATOR For primary test targets only: a device used by the primary portion of the radar for quality control monitoring
PARROT	PARROT => POSITION ADJUSTABLE RANGE REFERENCE ORIENTATION TRANSPONDER For secondary test targets only: a device used by the secondary portion of the radar for quality control monitoring.
PE	PE => PERMANENT ECHO For primary test targets only: a device used by the priaary portion of the radar for quality control monitoring
SI	SI => SOFTWARE INJECTED For primary test targets only: a non-real test target that a technician in the field has specified to a radar system to test whether it responds correctly.
SI	SI => SOFTWARE INGECTED For secondary test targets only: a nonreal test target that a technician in the field has specified to a radar system to test whether it respons correctly.

Non-Enumerated Value Domain Description

Minimum Length: 2 ***Maximum Length:*** 6

Interchange Format:

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):

Alternate Name(s)	*Alternate Name Type*	*Alternate Name Context*

Related Data Element(s)	*Relationship*	*Related DE Context*	*Related DE Version*

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 500 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: TESTTarget_Type_code

Definition: The set of major test target types – primary or secondary. Note: Max length is limited to 1 character.

Data Type: STRING ***Data Type Definition:*** Finite sequence of characters.

Character Set:

Enumerated Value Domain Permissible Values	***Value Meaning***
P	P => PRIMARY TARGET A primary test target type used for testing and validating the primary portion of the radar (sends out a pulse and evaluates the response).
S	S => SECONDARY TARGET A secondary test target type used for testing and validating the secondary portion of a radar (receives directed signals from aircraft).

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: N/A ***High Value:*** N/A

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization:

Effective Begin Date: 30-MAY-03 ***Effective End Date:***

Example(s):

Alternate Name(s)	*Alternate Name Type*	*Alternate Name Context*

Related Data Element(s)	*Relationship*	*Related DE Context*	*Related DE Version*

Comment(s):

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 582 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_AmbientTemperature_degrees-Celsius

Definition: The temperature of the surrounding air, typically measured with a thermometer. Instances of this element are observed at the station and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: DIGITSTRING ***Data Type Definition:*** Finite sequences of digits 0 through 9.

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Temperature: A measure of the average kinetic energy of the individual atoms or molecules composing a substance; a quantity measured by a thermometer specifically with reference to a scale based on defined fiducial points, usually of a water substance, to include the ice and steam points. The explicit value domain consists of 4-digit numbers in which the first digit represents whether the temperature is above or below zero and the next three digits represent the absolute temperature in tenths of degrees Celsius, e.g., "1036" = minus 3.6 degrees C. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: TENTH-DEGREE CELSIUS ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 tenth-degree = 0.1 degree Celsius

Low Value: 1910 ***High Value:*** 0600

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 0064

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_HourlyTemperatureAndDewPoint_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Hourly observations are expressed in the Remarks section of an aviation weather report as a combination of ambient temperature and dew point and coded in the form Ttttdddd where tttt is the ambient temperature and dddd is the dew point; e.g. 'T00640036".

Note 2 - See related element: WEATHERSurfaceObservationMETAR_HourlyTemperatureAndDewPoint_text

Note 3 - Rules for coding this element are given in Section 15-55 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 602 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_AmbientTemperature_degrees-Celsius-text

Definition: The temperature of the surrounding air, typically measured with a thermometer. Instances of this element are observed at the station and reported in the body of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Temperature: A measure of the average kinetic energy of the individual atoms or molecules composing a substance; a quantity measured by a thermometer specifically with reference to a scale based on defined fiducial points, usually of a water substance, to include the ice and steam points. The explicit value domain consists of 2-digit numbers representing the absolute temperature in degrees Celsius, preceded by the letter "M" if the temperature is below zero. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 3

Interchange Format: (A)NN

Unit Of Measure: DEGREE CELSIUS ***Unit of Measure Precision:***

Unit Of Measure Definition: Celsius temperature [K]

Low Value: M91 ***High Value:*** 60

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): M02

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_TemperatureDewPointGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Ambient temperature is expressed in the temperature/dew point group of an aviation weather report as a 2-digit integer representing whole degrees Celsius [C], with a single digit temperature preceded by a zero "0". Sub-zero temperature (below 32 degrees Fahrenheit) is prefixed with the letter "M", e.g., "M02" (minus 2C).
Note 2 - Instances of this element are combined with dew point, e.g., "17/13" (temperature is 17C, dew point is 13C.)

Note 3 - See related element: WEATHERSurfaceObservationMETAR_TemperatureDewPointGroup_text

Note 4 - Rules for coding this element are given in Section 15-16 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 710 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_AviationWeatherReportDateDayAndTime_text

Definition: The date (day of the month) and time of an aviation surface weather observation. The day of the month is followed by the actual time of the METAR (routine report) or the time when the criteria for a SPECI (unscheduled report) are met or noted.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 7 ***Maximum Length:*** 7

Interchange Format: A...A(7,7)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 250855Z

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Date and time are coded in the body of an aviation weather report as ddhhmmZ where dd represents the day of the month and hhmm represents hours and minutes, followed by the letter Z to indicate use of UTC; e.g., 250855Z meaning the observation was taken on the 25th day of the month at 08:55 Zulu.
Note 2 - Information on Aviation Weather Reports is given in the reference document Surface Weather Observation, FAA Order 7900.5B. Rules for coding this element are found in Section 15-9.
Note 3 - This is a coumpound data element. See related elements:
WEATHERSurfaceObservationMETAR_AviationWeatherReport_day,
WEATHERSurfaceObservation_AviationWeatherReport_time-UTC

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 711 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_AviationWeatherReportModifier_code

Definition: A code specifying additional descriptive information about an aviation routine or special weather report. AUTO indicates that a fully automated report was produced without human intervention. COR indicates a correction to a previously disseminated report.

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
AUTO	AUTO A fully automated report produced with no human intervention.
COR	COR A correction to a previously disseminated report.

Non-Enumerated Value Domain Description

Minimum Length: 3 ***Maximum Length:*** 4

Interchange Format: AAA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): AUTO

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - The report modifier group does not appear in all reports; the absence of AUTO indicates that the report is either a manual report or an automated report with an observer "logged on" to the system.

Note 2 - AUTO and COR will not be seen in the same observation. If the term COR is used, the observation cannot be AUTO, because an observer is correcting it.
Note 3 - Information on Aviation Weather Reports is given in the reference document Surface Weather Observation, FAA Order 7900.5B. Rules for coding this element are found in Section 15-10.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 712 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_AviationWeatherReportType_code

Definition: A code specifying whether the aviation surface weather observation report is routine (scheduled) or non-routine (unscheduled). A routine aviation weather report is called a METAR; a special or non-routine report is called a SPECI.

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
METAR	METAR Aviation Routine (Scheduled) Weather Report
SPECI	SPECI Aviation Special (Unscheduled) Weather Report

Non-Enumerated Value Domain Description

Minimum Length: 4 ***Maximum Length:*** 5

Interchange Format: AAAA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): METAR

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note - Information on Aviation Weather Reports is given in the reference document Surface Weather Observation, FAA Order 7900.5B. Rules for coding this element are found in Section 15-7.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 713 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_AviationWeatherReport_day

Definition: The date (day of the month) of an aviation surface weather observation.

Data Type: DATETIMEINSTANT ***Data Type Definition:*** Values for date or time or both, for single specific instant

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The current date expressed as the ordinal day of the month. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 2

Interchange Format: DD

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: 01 ***High Value:*** 31

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 25

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_AviationWeatherReportDateDayAndTime_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with the time at which the observation was taken, e.g., 250855Z meaning the observation was taken on the 25th day of the month at 08:55 Zulu.
Note 2 - Information on Aviation Weather Reports is given in the reference document Surface Weather Observation, FAA Order 7900.5B. Rules for coding this element are found in Section 15-9.
Note 3 - See related element WEATHERSurfaceObservationMETAR_AviationWeatherReportDateDayAndTime_text

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 714 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_AviationWeatherReport_time-UTC

Definition: The time of an aviation surface weather observation. The time is either the actual time of the METAR (routine report) or the time when the criteria for a SPECI (unscheduled report) are met or noted.

Data Type: DATETIMEINSTANT ***Data Type Definition:*** Values for date or time or both, for single specific instant

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Time expressed as hours and minutes Zulu. See Comments for more information.

Minimum Length: 5 ***Maximum Length:*** 5

Interchange Format: HHMMZ

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: 0000Z ***High Value:*** 2359Z

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 0855Z

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_AviationWeatherReportDateDayAndTime_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with the day of the month on which the observation was taken; e.g., 250855Z meaning the observation was taken on the 25th day of the month at 08:55 Zulu.
Note 2 - Information on Aviation Weather Reports is given in the reference document Surface Weather Observation, FAA Order 7900.5B. Rules for coding this element are found in Section 15-9.
Note 3 - See related element WEATHERSurfaceObservationMETAR_AviationWeatherReportDateDayAndTime_text

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 715 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_DewPoint_temperature-degrees-Celsius

Definition: The temperature to which a given air parcel must be cooled at constant pressure and constant water vapor content in order for saturation to occur. Instances of this element are observed at the station and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: DIGITSTRING ***Data Type Definition:*** Finite sequences of digits 0 through 9.

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Temperature: A measure of the average kinetic energy of the individual atoms or molecules composing a substance; a quantity measured by a thermometer specifically with reference to a scale based on defined fiducial points, usually of a water substance, to include the ice and steam points. The explicit value domain consists of 4-digit numbers in which the first digit represents whether the temperature is above or below zero and the next three digits represent the absolute temperature in tenths of degrees Celsius, e.g., "1036" = minus 3.6 degrees C. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: TENTH-DEGREE CELSIUS ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 tenth-degree = 0.1 degree Celsius

Low Value: 1910 ***High Value:*** 0600

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 0064

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_HourlyTemperatureAndDewPoint_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Hourly observations are expressed in the Remarks section of an aviation weather report as a combination of ambient temperature and dew point and coded in the form Ttttdddd where tttt is the ambient temperature and dddd is the dew point; e.g. 'T00640036".

Note 2 - See related element: WEATHERSurfaceObservationMETAR_HourlyTemperatureAndDewPoint_text

Note 3 - Rules for coding this element are given in Section 15-55 of FAA order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 716 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_DewPoint_temperature-degrees-Celsius-text

Definition: The temperature to which a given air parcel must be cooled at constant pressure and constant water vapor content in order for saturation to occur. Instances of this element are observed at the station and reported in the body of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Temperature: A measure of the average kinetic energy of the individual atoms or molecules composing a substance; a quantity measured by a thermometer specifically with reference to a scale based on defined fiducial points, usually of a water substance, to include the ice and steam points. The explicit value domain consists of 2-digit numbers representing the absolute temperature in degrees Celsius, preceded by the letter "M" if the temperature is below zero. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 3

Interchange Format: (A)NN

Unit Of Measure: DEGREE CELSIUS ***Unit of Measure Precision:***

Unit Of Measure Definition: Celsius temperature [K]

Low Value: M91 ***High Value:*** 60

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): M02

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_TemperatureDewPointGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Dew point is expressed in the temperature/dew point group of an aviation weather report as a 2-digit integer representing whole degrees Celsius [C], with a single digit temperature preceded by a zero "0". Sub-zero temperature (below 32 degrees Fahrenheit) is prefixed with the letter "M", e.g., "M02" (minus 2C).

Note 2 - Instances of this element are combined with ambient temperature, e.g., "17/13" (temperature is 17C, dew point is 13C.)
Note 3 - See related element: WEATHERSurfaceObservationMETAR_TemperatureDewPointGroup_text

Note 4 - Rules for coding this element are given in Section 15-16 of FAA Order 7900.5B, Surface Weather Observation.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 662 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_DirectionalOctant_code-compass-points

Definition: A particular 45-degree arc of the horizon circle in which visibility conditions are evaluated or storm movements are observed, reported in terms of the compass point corresponding to the midpoint of each arc, e.g., the northeast octant corresponds to the sector bounded by radii at 22.5 and 67.5 degrees.

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
E	EAST compass point of 90 degrees
N	NORTH compass point of 0 or 360 degrees
NE	NORTH-EAST compass point of 45 degrees
NW	NORTH-WEST compass point of 315 degrees
S	SOUTH compass point of 180 degrees
SE	SOUTH-EAST compass point of 135 degrees
SW	SOUTH-WEST compass point of 225 degrees
W	WEST compass point of 270 degrees

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 2

Interchange Format: A(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): SE

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - See related elements: WEATHERSurfaceObservationMETAR_SectorVisibility_text, WEATHERSurfaceObservationMETAR_ThunderstormLocationAndMovement_text.
Note 2 - Rules for coding this element are given in Section 15-27 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 663 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_HourlyTemperatureAndDewPoint_text

Definition: The temperature and dew point, in tenths of degrees Celsius, observed at the station on an hourly basis and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 9 ***Maximum Length:*** 9

Interchange Format: A...A(9,9)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): T00640036

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Hourly observations are expressed in the Remarks section of an aviation weather report as a combination of ambient temperature and dew point and coded in the form Ttttddddd where tttt is the ambient temperature and dddd is the dew point; e.g. 'T00640036".
Note 2 - This is a compound data element. See related elements:
WEATHERSurfaceObservation_AmbientTemperature_degrees-Celsius,
WEATHERSurfaceObservation_DewPoint_temperature-degrees-Celsius
Note 3 - Temperature and dewpoint are reported differently in the body of an aviation weather report. For example, a temperature of 2.6C and dew point of -1.5C would be reported in the body of the report as "03/M01" and in the Remarks section as "T00261015". See related element

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

WEATHERSurfaceObservationMETAR_TemperatureDewPointGroup_text

Note 4 - Rules for coding this element are given in Section 15-55 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 664 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_MaximumAmbientTemperature_degrees-Celsius

Definition: Highest air temperature attained during a specific time interval, usually 6 or 24 hours. Instances of this element are observed at the station and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: DIGITSTRING ***Data Type Definition:*** Finite sequences of digits 0 through 9.

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Temperature: A measure of the average kinetic energy of the individual atoms or molecules composing a substance; a quantity measured by a thermometer specifically with reference to a scale based on defined fiducial points, usually of a water substance, to include the ice and steam points. The explicit value domain consists of 4-digit numbers in which the first digit represents whether the temperature is above or below zero and the next three digits represent the absolute temperature in tenths of degrees Celsius, e.g., "1036" = minus 3.6 degrees C. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: TENTH-DEGREE CELSIUS ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 tenth-degree = 0.1 degree Celsius

Low Value: 1910 ***High Value:*** 0600

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 0066

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_MaximumMinimumTemperatureGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - 6-hour Maximum Temperature observations are coded in METAR Remarks as temperature preceded by a "1"; e.g., "10066", and are recorded at the 0000, 0600, 1200, and 1800 UTC observations.

Note 2 - 24-hour Maximum Temperature observations are taken at midnight local standard time and are reported as a combination of Maximum and Minimum Temperature preceded by a "4", e.g. "400461006".
Note 3 - See related element: WEATHERSurfaceObservationMETAR_MaximumMinimumTemperatureGroup_text

Note 4 - Rules for coding this element are given in Sections 15-56 and 15-58 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 665 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_MaximumMinimumTemperatureGroup_text

Definition: 24-hour maximum and minimum temperature observed at the station and reported at midnight local standard time in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 9 ***Maximum Length:*** 9

Interchange Format: A...A(9,9)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 400461006

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - 24-hour observations are taken at midnight local standard time and are reported as a combination of Maximum and Minimum Temperature preceded by a "4", e.g. "400461006".
Note 2 - This is a compound data element. See related elements: WEATHERSurfaceObservationMETAR_MaximumAmbientTemperature_degrees-Celsius, WEATHERSurfaceObservationMETAR_MinimumAmbientTemperature_degrees-Celsius
Note 3 - Rules for coding this element are given in Section 15-58 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 666 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_MeteorologicalStation_identifier-ICAO

Definition: The ICAO-assigned identifier of the station for which a scheduled routine aviation weather report (METAR) or unscheduled special report (SPECI) is issued.

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
ICAO IDENTIFIERS	ICAO 7910 The authorized source for ICAO aerodrome names and facilities.

Non-Enumerated Value Domain Description

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: AAAA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): KDCA

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - ICAO Document 7910 is the official source of the 4-letter international location identifiers. However, this document is not freely available. FAA order 7350.7 Section 4 references ICAO 7910 and provides a means for constructing these identifiers for United States airports. ICAO identifiers for contiguous US airports are formed by prefixing the US 3-letter identifiers listed in 7350.7 Section 6B with the letter "K". ICAO identifiers for other US airports are shown in Sections 6G and 6H (Alaska, Pacific, Hawaii, and Caribbean ICAO Identifiers).

Note 2 - Rules for coding this element are given in Section 15-8 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 667 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_MinimumAmbientTemperature_degrees-Celsius

Definition: Lowest air temperature attained during a specific time interval; usually 6 or 24 hours. Instances of this element are observed at the station and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: DIGITSTRING ***Data Type Definition:*** Finite sequences of digits 0 through 9.

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Temperature: A measure of the average kinetic energy of the individual atoms or molecules composing a substance; a quantity measured by a thermometer specifically with reference to a scale based on defined fiducial points, usually of a water substance, to include the ice and steam points. The explicit value domain consists of 4-digit numbers in which the first digit represents whether the temperature is above or below zero and the next three digits represent the absolute temperature in tenths of degrees Celsius, e.g., "1036" = minus 3.6 degrees C. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: TENTH-DEGREE CELSIUS ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 tenth-degree = 0.1 degree Celsius

Low Value: 1910 ***High Value:*** 0600

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 0066

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_MaximumMinimumTemperatureGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - 6-hour Minimum Temperature observations are coded in METAR Remarks as temperatures preceded by a "2"; e.g., "20066", and are recorded at the 0000, 0600, 1200, and 1800 UTC observations.

Note 2 - 24-hour Minimum Temperature observations are taken at midnight local standard time and are reported as a combination of Maximum and Minimum Temperature preceded by a "4", e.g. "400461006".
Note 3 - See related element: WEATHERSurfaceObservationMETAR_MaximumMinimumTemperatureGroup_text

Note 4 - Rules for coding this element are given in Sections 15-57 and 15-58 of FAA Order 7900.5B, Surface Weather Observation.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 583 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PeakWind_text

Definition: The highest instantaneous wind speed greater than 25 knots observed or recorded since the last scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI). Observed peak wind conditions are reported in the Remarks section of a METAR or SPECI

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted characters. See Comments for more information.

Minimum Length: 15 ***Maximum Length:*** 18

Interchange Format: A...A(15,18)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): PK WND 20032/25

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Peak wind speed is coded in the Remarks section of the report along with its direction and an indication of when it was observed, as PK_WND_dddff(f)/(hh)mm where ddd is direction true north, ff(f) is speed in knots, and (hh)mm is the time of occurrence (only the minutes are required if the hour can be inferred from the report time); e.g., PK WND 20032/25 for a peak wind of 32KT from 200 degrees, observed at 25 minutes after the hour.
Note 2 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_WindSpeed_rate-knots
WEATHERSurfaceObservationMETAR_WindDirection_degrees-true-north
Note 3 - Rules for coding this element are given in Section 15-23 of FAA Order 7900.5B, Surface

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Weather Observation.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 668 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PrecipitationAccumulationGroup_text

Definition: The amount of liquid precipitation, or liquid equivalent of freezing or frozen precipitation, accumulated over a specified time interval and reported in the Remarks section of an Aviation Weather Report.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 5 ***Maximum Length:*** 5

Interchange Format: AAAAA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): P0003

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Precipitation amounts accumulated over 1, 3, 6, and 24-hour durations are reported in the Remarks section of an aviation weather report in the form xnnnn where x is a code representing the appropriate time period of the observation and nnnn is the amount accumulated in hundredths of inches.
Note 2 - Hourly accumulation (automated stations only): coded as Pnnnn where nnnn represents hundredths of inches of precipitation since the last METAR, e.g. "P0003"; a trace amount is represented as "P0000".
Note 3 - 3- and 6-hour accumulation: coded as 6nnnn; e.g. "60009". Amounts accumulated for the past 6 hours are reported in the 0000, 0600, 1200, and 1800 UTC observations and amounts

accumulated for the past 3 hours are reported in the 0300, 0900, 1500, and 2100 UTC observations. Trace amounts are reported as "60000".
Note 4 - 24-hour accumulation: coded as 7nnnn, e.g. "70015", and reported in the 1200 UTC observations.
Note 5 - This is a compound data element. See related elements: WEATHERSurfaceObservationMETAR_PrecipitationAccumulationTime_code, WEATHERSurfaceObservationMETAR_PrecipitationAccumulation_quantity
Note 6 - Snow depth on the ground is reported separately in the Remarks section of an aviation weather report in the form 4/nnn where nnn represents inches of snow; e.g. "4/005". Water equivalent of snow on the ground is reported separately in the Remarks section in the form 933nnn where nnn represents hundredths of inches of liquid.
Note 7 - Rules for coding precipitation accumulation are given in Sections 15-47 through 15-52 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 669 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PrecipitationAccumulationTime_code

Definition: In aviation weather reports, the code used to designate the time duration over which precipitation has accumulated.

Data Type: ALPHANUMERIC ***Data Type Definition:*** Character limited to upper-case A thru Z and 0 thru 9

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
6	6=PRECIPITATION ACCUMULATED OVER THE PAST 3 OR 6 HOURS
7	7=PRECIPITATION ACCUMULATED OVER THE PAST 24 HOURS
P	P=PRECIPITATION ACCUMULATED OVER THE PAST HOUR

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): P

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PrecipitationAccumulationGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Precipitation amounts accumulated over 1, 3, 6, and 24-hour durations are reported in the Remarks section of an aviation weather report.
Note 2 - Hourly accumulation (automated stations only): coded as Pnnnn where nnnn represents hundredths of inches of precipitation since the last report.
Note 3 - 3- and 6- hour accumulation: coded as 6nnnn; e.g. "60009". Amounts accumulated for the past 6 hours are reported in the 0000, 0600, 1200, and 1800 UTC observations and amounts accumulated for the past 3 hours are reported in the 0300, 0900, 1500 and 2100 UTC observations. Trace amounts are reported as "60000".
Note 4 - 24-hour accumulation: coded as 7nnnn, e.g. "70015" and reported in the 1200 UTC observations.
Note 5 - See related element WEATHERSurfaceObservationMETAR_PrecipitationAccumulationGroup_text

Note 6 - Rules for coding precipitation accumulation are given in Sections 15-47 through 15-52 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 670 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PrecipitationAccumulation_quantity

Definition: In aviation weather reports, the amount of liquid precipitation, or liquid equivalent of freezing or frozen precipitation, accumulated over a specified time interval.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Quantity: a non-monetary numeric value subject to computational manipulations. The explicit value domain is positive integers from 0000 to 9999 representing a measurement in hundredths of inches. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: HUNDREDTH-INCH ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 hundredth-inch = 0.01 in = 0.0254 centimeters

Low Value: 0000 ***High Value:*** 9999

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 0003

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PrecipitationAccumulationGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Precipitation amounts accumulated over 1, 3, 6, and 24-hour durations are reported in the Remarks section of an aviation weather report.
Note 2 - Trace amounts of precipitation are recorded as 0000.

Note 3 - See related element WEATHERSurfaceObservationMETAR_PrecipitationAccumulationGroup_text.

Note 4 - Rules for coding precipitation accumulation are given in Sections 15-47 through 15-52 of FAA Order 7900.5B, Surface Weather Observation.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 671 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text

Definition: Observed present weather phenomena (other than obscurations) occurring at the station as reported in the body of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted characters. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 30

Interchange Format: A...A(2,30)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): +FZDZ

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Present weather conditions are coded in the body of an aviation weather report as groups of weather phenomena. Information on notations for coding weather phenomena codes and their qualifiers are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-14.
Note 2 - Weather is reported in order of decreasing dominance (Tornado, Funnel Cloud, and Thunderstorm take precedence). A maximum of three groups is reported (precipitation included in one group; separate groups for other weather).
Note 3 - Obscurations are reported if visibility is less than 7 miles.

Note 4 - VA (volcanic ash) is reported with any visibility. BCFG (patchy fog) and PRFG (partial fog) may also be reported if visibility is greater than or equal to 7SM. Some present weather and qualifiers may be reported if they are in the vicinity, i.e., not at point-of-observation.
Note 5 - Automated stations can only report RA, SN, UP, FG, BR, FZFG, HZ, and SQ without augmentation.
Note 6 - If the phenomenon is not occurring at the usual point of observation but is affecting part of the operating areas of the airport, the phenomenon may be reported in remarks with the phrase "at the airport" (AT AP) appended, e.g., SHRA AT AP. "At the airport" includes runways, taxiways, ramps, terminals and/or adjacent areas. Buffer zones around the operating areas of the airport are not included in this area.
Note 7 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_WeatherPhenomenonPrecipitation_code
WEATHERSurfaceObservationMETAR_WeatherPhenomenonObscuration_code
WEATHERSurfaceObservationMETAR_WeatherPhenomenonOther_code
WEATHERSurfaceObservationMETAR_WeatherPhenomenonDescriptor_code
WEATHERSurfaceObservationMETAR_WeatherPhenomenonIntensityProximity_code

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 672 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PressureChange_quantity-hectopascal

Definition: The absolute value of the change in the station pressure or altimeter setting during the three hour period preceding an observation.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Quantity: a non-monetary numeric value subject to computational manipulations. The explicit value domain is positive integers from 000 to 201 representing a measurement in tenths of hectopascals. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: NNN

Unit Of Measure: TENTH-HECTOPASCAL ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 tenth-hectopascal = 0.003 inches of Mercury

Low Value: 000 ***High Value:*** 201

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 083

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PressureTendency_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Pressure change is coded in tenths of hectopascals and using the tens, units, and tenths digits; e.g., "083" represents 8.3 hectopascals, equivalent to 0.245 inches of mercury. Rules for converting inches of mercury to hectopascals are contained in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-59, Table 15-10.
Note 2 - Instances of this element are combined with the code representing the characteristic of the pressure change over the past 3 hours.

Note 3 - See related element WEATHERSurfaceObservationMETAR_PressureTendency_text

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 673 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PressureTendencyCharacteristic_code

Definition: A code figure representing the characteristic or indication of how the barometric pressure has been changing during the three-hour period preceding an observation, based on the appearance of the barogram and the direction of change, if any (i.e., higher, lower, or no change).

Data Type: DIGIT ***Data Type Definition:*** Character limited to 0 through 9

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
0	PRESSURE TENDENCY 0 Increasing, then decreasing
1	PRESSURE TENDENCY 1 Increasing, then steady; or increasing, then increasing more slowly
2	PRESSURE TENDENCY 2 Increasing steadily or unsteadily
3	PRESSURE TENDENCY 3 Decreasing or steady, then increasing; or increasing, then increasing more rapidly
4	PRESSURE TENDENCY 4 Steady
5	PRESSURE TENDENCY 5 Decreasing, then increasing
6	PRESSURE TENDENCY 6 Decreasing, then steady; or decreasing, then decreasing more slowly
7	PRESSURE TENDENCY 7 Decreasing steadily or unsteadily
8	PRESSURE TENDENCY 8 Steady or increasing, then decreasing; or decreasing, then decreasing more rapidly

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 4

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PressureTendency_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with the net barometric pressure change over the past 3 hours. Rules for selecting appropriate codes are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-59, Table 15-9.
Note 2 - See related element WEATHERSurfaceObservationMETAR_PressureTendency_text.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 674 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PressureTendency_text

Definition: An expression of the character of and amount of barometric pressure change during a specified period of time, usually the three-hour period preceding an observation. Pressure tendency is reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 5 ***Maximum Length:*** 5

Interchange Format: AAAAA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 52032

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Pressure tendency is coded in the Remarks section of an aviation weather report as 5appp where "a" is the code denoting the appearance of the barometer and direction of change (e.g., "2" signifies "increasing steadily or unsteadily") over the past 3 hours, and ppp is the net barometric change in tenths of hectopascals. Thus, "52032" is interpreted as a steady increase of 3.2 hectopascals in the past 3 hours.
Note 2 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_PressureTendencyCharacteristic_code,
WEATHERSurfaceObservation_PressureChange_quantity-hectopascal

Note 3 - Rules for coding this element are given in Section 15-59 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 675 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_PrevailingVisibility_code

Definition: The horizontal visibility that is considered representative of visibility conditions at the station; the greatest distance that can be seen throughout at least half the horizon circle, not necessarily continuous.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
VISIBILITY VALUES	FAA ORDER 7900.5B, FIG. 15-3 Reportable visibility values table.

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 5

Interchange Format: A(A)(A)(A)

Unit Of Measure: MILE ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: mi; 1 mile = 5280 feet

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 2 1/2
M1/4

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_TowerVisibility_code	IS RELATED TO	FAA	1
WEATHERSurfaceObservationMETAR_SurfaceVisibility_code	IS RELATED TO	FAA	1

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Comment(s): Note 1 - The prevailing visibility is coded in the body of an aviation weather report as v(v)(v)(v)(v)SM where v(v)(v)(v)(v) is the visibility value and SM indicates that visibilities are in statute miles; e.g., a visibility of one and a half miles would be coded as "1 1/2SM".
Note 2 - Only automated stations may use an "M" to indicate "less than" when reporting visibility, e.g., "M1/4SM" means a visibility less than one-quarter SM as reported by an automated station.
Note 3 - There are separate definitions for Surface and (Control) Tower visibility. At civil airports, where the two are different, the lower of the two visibility values is reported in the body of the METAR; the other is entered into the Remarks section. For example, if Tower visibility were lower, its value would become the prevailing visibility and reported in the body of the METAR, and the Surface visibility would be reported in the Remarks. See related elements WEATHERSurfaceObservationMETAR_TowerVisibility_code, WEATHERSurfaceObservationMETAR_SurfaceVisibility_code.
Note 4 - Rules for coding this element are given in Section 15-12 of FAA order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 676 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_RunwayVisualRangeConstantVisibility_quantity-feet

Definition: An estimate of the constant reportable maximum distance at which a runway, or the specified lights or markers delineating it, can be seen from a position above a specific point on its center line. This value is normally determined by visibility sensors or transmissometers located alongside and higher than the center line of the runway. Runway Visual Range (RVR) is used operationally to assess whether visibility conditions are good enough to allow a particular operation, such as an instrument landing.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Quantity: a non-monetary numeric value subject to computational manipulations. The explicit value domain is positive integers from 600 to 6500 representing a measurement in feet. Leading zeroes are included. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: FOOT ***Unit of Measure Precision:*** whole foot

Unit Of Measure Definition: symbol: ft; 1 foot = 12 inches

Low Value: 0600 ***High Value:*** 6500

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 2000

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - RVR is measured in feet whenever the prevailing visibility is 1 statute mile or less and/or the RVR for the designated instrument runway is 6000 feet or less. RVR up to 1000 feet is reported in increments of 100 feet. RVR between 1000 and 3000 feet is reported in increments of 200 feet. RVR between 3000 and 6000 feet is reported in increments of 500 feet. For RVR based on the forward-scatter meter visibility sensor, RVR up to 800 feet is reported in increments of 100

feet; RVR between 800 and 3000 feet is reported in increments of 200 feet; RVR between 3000 and 6500 feet is reported in increments of 500 feet.
Note 2 - The RVR is reported in an aviation weather report immediately following the runway identifier.
Note 3 - RVR is considered constant if it does not vary over a 10-minute evaluation period.

Note 4 - See related element: WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text

Note 5 - Rules for coding this element are given in Section 15-13 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 677 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_RunwayVisualRangeDesignatedRunway_identifier

Definition: The identifier of the runway that is officially designated by the airport authority for reporting Runway Visual Range (RVR) values. The designated RVR runway is typically the runway with the lowest approach minimums.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 3

Interchange Format: AA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 28R

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Runways are normally numbered in relation to their magnetic direction rounded off to the nearest 10 degrees; e.g., Runway 01, Runway 25. Parallel runways are designated as L (left) and R (right) or, if three parallel runways exist, L (left), C (center), and R (right).
Note 2 - RVR runway identifier is reported in an aviation weather report immediately preceding the RVR observed at that runway.
Note 3 - See related element: WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text

Note 4 - Rules for coding this element are given in Section 15-13 of FAA order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 678 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text

Definition: The observed Runway Visual Range (RVR) at a particular runway as reported in the body of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted characters. See Comments for more information

Minimum Length: 10 ***Maximum Length:*** 17

Interchange Format: A...A(10,17)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): R28R/2600FT

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - RVR is coded in the body of an aviation weather report in the form Rdd(d)/(p)vvvvFT where dd(d) represents the designated RVR runway number and optional approach direction and vvvv is the constant reportable visibility in feet; or, alternatively, as Rdd(d)/(p)mmmmVnnnnFT for variable visibility where mmmm is the lowest reportable visibility in feet and nnnn is the highest. For example, "R28R/2600FT" means for runway 28 Right, the RVR is reported at 2600 feet.
Note 2 - The RVR is evaluated over a 10-minute period and is reported in increments of hundreds of feet. The RVR value is prefixed (p) with an M if the RVR is lower than the lowest reportable light sensor value, e.g. "R06L/M0600FT" or with a P if it is higher than the highest reportable light sensor value, e.g., R06L/P6000FT. If the RVR is variable during the 10-minute evaluation period, the variability is reported, e.g., "R06L/2000V4000FT" means for runway 6 Left, the RVR is variable

between 2000 and 4000 feet.

Note 3 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_RunwayVisualRangeConstantVisibility_quantity-feet,
WEATHERSurfaceObservationMETAR_RunwayVisualRangeVisibilityPrefix_code,
WEATHERSurfaceObservationMETAR_RunwayVisualRangeLowestVisibility_quantity-feet,
WEATHERSurfaceObservationMETAR_RunwayVisualRangeHighestVisibility_quantity-feet,
WEATHERSurfaceObservationMETAR_RunwayVisualRangeDesignatedRunway_identifier
Note 4 - Rules for coding this element are given in Section 15-13 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 679 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_RunwayVisualRangeHighestVisibility_quantity-feet

Definition: An estimate of the highest reportable maximum distance at which a runway, or the specified lights or markers delineating it, can be seen from a position above a specific point on its center line. This value is normally determined by visibility sensors or transmissometers located alongside and higher than the center line of the runway. Runway Visual Range (RVR) is used operationally to assess whether visibility conditions are good enough to allow a particular operation, such as an instrument landing. When the RVR evaluated over a 10-minute period is variable, lowest and highest visibilities are reported.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Quantity: a non-monetary numeric value subject to computational manipulations. The explicit value domain is positive integers from 600 to 6500 representing a measurement in feet. Leading zeroes are included. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: FOOT ***Unit of Measure Precision:*** whole foot

Unit Of Measure Definition: symbol: ft; 1 foot = 12 inches

Low Value: 0600 ***High Value:*** 6500

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 2000

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - RVR is measured in feet whenever the prevailing visibility is 1 statute mile or less and/or the RVR for the designated instrument runway is 6000 feet or less. RVR up to 1000 feet is reported in increments of 100 feet. RVR between 1000 and 3000 feet is reported in increments of 200 feet. RVR between 3000 and 6000 feet is reported in increments of 500 feet. For RVR based on

the forward-scatter meter visibility sensor, RVR up to 800 feet is reported in increments of 100 feet; RVR between 800 and 3000 feet is reported in increments of 200 feet; RVR between 3000 and 6500 feet is reported in increments of 500 feet.
Note 2 - The RVR is reported in an aviation weather report immediately following the runway identifier.
Note 3 - See related element: WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text

Note 4 - Rules for coding this element are given in Section 15-13 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 680 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_RunwayVisualRangeLowestVisibility_quantity-feet

Definition: An estimate of the lowest reportable maximum distance at which a runway, or the specified lights or markers delineating it, can be seen from a position above a specific point on its center line. This value is normally determined by visibility sensors or transmissometers located alongside and higher than the center line of the runway. Runway Visual Range (RVR) is used operationally to assess whether visibility conditions are good enough to allow a particular operation, such as an instrument landing. When the RVR evaluated over a 10-minute period is variable, lowest and highest visibilities are reported.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Quantity: a non-monetary numeric value subject to computational manipulations. The explicit value domain is positive integers from 600 to 6500 representing a measurement in feet. Leading zeroes are included. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: FOOT ***Unit of Measure Precision:*** whole foot

Unit Of Measure Definition: symbol: ft; 1 foot = 12 inches

Low Value: 0600 ***High Value:*** 6500

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 2000

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - RVR is measured in feet whenever the prevailing visibility is 1 statute mile or less and/or the RVR for the designated instrument runway is 6000 feet or less. RVR up to 1000 feet is reported in increments of 100 feet. RVR between 1000 and 3000 feet is reported in increments of 200 feet. RVR between 3000 and 6000 feet is reported in increments of 500 feet. For RVR based on

the forward-scatter meter visibility sensor, RVR up to 800 feet is reported in increments of 100 feet; RVR between 800 and 3000 feet is reported in increments of 200 feet; RVR between 3000 and 6500 feet is reported in increments of 500 feet.
Note 2 - The RVR is reported in an aviation weather report immediately following the runway identifier.
Note 3 - See related element: WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text

Note 4 - Rules for coding this element are given in Section 15-13 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 1522 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_RunwayVisualRangeVisibilityPrefix_code

Definition: In aviation weather reports, the code used to designate whether the observed Runway Visual Range (RVR) reported visibility is lower or higher than the lowest/highest value reportable by the light sensor.

Data Type: LETTER ***Data Type Definition:*** Character limited to upper-case letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
M	M=RVR IS LOWER THAN THE LOWEST REPORTABLE LIGHT SENSOR VALUE
P	P=RVR IS HIGHER THAN THE HIGHEST REPORTABLE LIGHT SENSOR VALUE

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 1

Interchange Format: A

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): P

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - The RVR is evaluated over a 10-minutes period and is reported in increments of hundreds of feet. The RVR value is optionally prefixed with an M if the RVR is lower than the lowest reportable light sensor value, e.g. R06L/M0600FT, or with a P if it is higher than the highest

reportable light sensor value, e.g., R06L/P6000FT.

Note 2 - See related element: WEATHERSurfaceObservationMETAR_RunwayVisualRangeGroup_text

Note 3 - Rules for coding this element are given in Section 15-13 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 681 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_SeaLevelPressure_text

Definition: A pressure value obtained by the theoretical reduction or increase of barometric pressure to that of sea level, observed at automated stations and designated manual stations and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 5 ***Maximum Length:*** 6

Interchange Format: A...A(5,6)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): SLP982
SLPNO

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Sea-level pressure is coded in the Remarks section of an aviation weather report in the form SLPppp where ppp represents the tens, units, and tenths of the sea-level pressure in hectopascals. For example, a sea-level pressure of 998.2 hectopascals would be coded as "SLP982".
Note 2 - For a METAR, if sea-level pressure is not available at stations where it would normally be reported, it is coded as "SLPNO".
Note 3 - Rules for coding this element are given in Section 15-41 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 682 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_SectorVisibility_text

Definition: The visibility in a specified direction that represents at least a 45-degree arc (portion) of the horizon circle.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted characters. See Comments for more information.

Minimum Length: 7 ***Maximum Length:*** 12

Interchange Format: A...A(7,12)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): VIS NE 2 1/2

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Sector visibility is coded in the Remarks section of an aviation weather report as VIS_d(d)_v(v)(v)(v)(v) where dd is the directional octant (NE, NW, E, etc.) and v(v)(v)(v)(v) is the visibility value in statute miles and fractions of miles; e.g. "VIS NE 2 1/2".
Note 2 - Sector visibility is coded when either the prevailing or sector visibility is less than 3 miles, or is considered operationally significant.
Note 3 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_PrevailingVisibility_code
WEATHERSurfaceObservationMETAR_DirectionalOctant_code-compass-points
Note 4 - Rules for coding this element are given in Section 15-27 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 683 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_SkyConditionCloudLayerHeight_elevation-AGL

Definition: The height of the bases of each reported layer of clouds and/or obscurations whose bases are at approximately the same altitude or level; or the vertical visibility into an indefinite ceiling.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Elevation-AGL: The height or vertical distance of a level, a point or an object considered as a point, on or above the surface of the earth. The explicit value domain is positive integers from 000 to 400 representing a measurement in hundreds of feet. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: NNN

Unit Of Measure: HUNDRED-FOOT ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 hundred-foot = 100 feet = 1200 inches

Low Value: 000 ***High Value:*** 400

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 020 - interpreted as 2000 ft.

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_SkyConditionGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with the sky cover code, e.g., "OVC010" (overcast cloud deck at 1000 feet). Rules for reporting cloud layer height are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-15.
Note 2 - Height less than 5000 feet is reported to the nearest 100 feet; height from 5000 to 10000 feet is reported to the nearest 500 feet; and height over 10000 feet is reported to the nearest 1000 feet.
Note 3 - Current Automated Surface Observation System (ASOS) sensor can detect clouds up to 12,000 feet; sensor(s) deployed in the future will detect clouds up to 25,000 feet.

Note 4 - See related element: WEATHERSurfaceObservationMETAR_SkyConditionGroup_text.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 684 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_SkyConditionCloudType_code

Definition: A code designating one of a number of significant cloud types observed at designated stations and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
ACC	ALTOCUMULUS CASTELLANUS
ACSL	ALTOCUMULUS STANDING LENTICULAR
CB	CUMULONIMBUS
CBMAM	CUMULONIMBUS MAMMATUS
CCSL	CIRROCUMULUS STANDING LENTICULAR
ROTOR	ROTOR CLOUD
SCSL	STRATOCUMULUS STANDING LENTICULAR
TCU	TOWERING CUMULUS

Non-Enumerated Value Domain Description

Minimum Length: 2 ***Maximum Length:*** 5

Interchange Format: AA(A)(A)(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): TCU

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_SkyConditionGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Significant cloud types are coded in the Remarks section of an aviation weather report along with their direction from the station and their movement, if known.
Note 2 - For information on cloud types, see the World Meteorological Organization Abridged International Cloud Atlas, Volume I and II.
Note 3 - See related element WEATHERSurfaceObservationMETAR_SkyConditionGroup_text.

Note 4 - Rules for coding this element are given in Section 15-38 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 685 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_SkyConditionGroup_text

Definition: The amount of sky covered or concealed by clouds or other obscuring phenomena reported in terms of sky cover code and the height of the base of the cloud layer.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 9

Interchange Format: A...A(3,9)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): OVC010CB
SCT015

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Sky conditions are coded in the body of an aviation weather report as sss(hhh)(cc(c)) where sss represents sky condition code, hhh represents cloud layer height in hundreds of feet, and ccc represents cloud type.
Note 2 - Automated stations truncate to three layers up to 12000 feet; if no layers are detected CLR is reported. At manual stations up to six layers can be reported; if no layers observed SKC is reported. Each layer contains the amount (FEW, SCT, BKN, OVC) immediately followed by the height using three digits, e.g., FEW015 BKN030.
Note 3 - For any layer containing cumulonimbus (CB) or towering cumulus (TCU) (manual stations only) the contraction is appended to the layer height, e.g., OVC010CB for overcast cloud deck at

1000 feet with cumulonimbus clouds.

Note 4 - All layers are considered opaque.

Note 5 - Vertical visibility (VV) is reported in hundreds of feet for an indefinite ceiling, e.g., VV002.
Note 6 - Surface obscuration (manual only) is reported using amount (FEW, SCT, BKN), followed by "000," e.g., SCT000; a remark is required.
Note 7 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_SkyConditionSkyCover_code
WEATHERSurfaceObservationMETAR_SkyConditionCloudLayerHeight_elevation-AGL
WEATHERSurfaceObservationMETAR_SkyConditionCloudType_code
Note 8 - Rules for coding this element are given in Section 15-15 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 686 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_SkyConditionSkyCover_code

Definition: In surface weather observations, the designator for a term used to denote one or more of the following: (a) the amount of sky covered but not necessarily concealed by clouds or by obscuring phenomena aloft; (b) the amount of sky concealed by obscuring phenomena that reach the ground; or (c) the amount of sky covered or concealed by a combination of (a) and (b). Categorization is based on eighths (octas) of sky cover.

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
BKN	BROKEN Represents sky cover of 5/8ths to 7/8ths at and below the level of a layer aloft.
CLR	CLEAR (CLR) Clear represents the state of the sky when it is cloudless. CLR is reported for automated observations where there are no clouds at/below 12,000ft.
FEW	FEW Represents sky cover of more than zero up to 2/8ths. Any layer amount less than 1/8 is considered 1/8.
OVC	OVERCAST Represents sky cover of 8/8ths at and below the level of a layer aloft.
SCT	SCATTERED Represents sky cover of 3/8ths to 4/8ths at and below the level of a layer aloft.
SKC	CLEAR (SKC) Clear represents the state of the sky when it is cloudless. SKC is reported for manual observations.
VV	VERTICAL VISIBILITY Represents an indefinite ceiling. Vertical visibility is the distance that an observer can see vertically upward into surface-based obscuring phenomena that totally hide the sky; or the height corresponding to top of a ceiling light projector beam; or the height at which a balloon completely disappears during presence of surface-based obscuring phenomena; or the height determined by the sensor algorithm at automated stations.

Non-Enumerated Value Domain Description

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Minimum Length: 2 ***Maximum Length:*** 3

Interchange Format: AA(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): SCT

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_SkyConditionGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with the height of the cloud layer base above ground, e.g., "OVC010" (overcast cloud deck at 1000 feet). Rules for using sky cover codes are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-15.
Note 2 - See related element WEATHERSurfaceObservationMETAR_SkyConditionGroup_text.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 687 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_StationAltimeterSetting_pressure-barometric

Definition: The atmospheric pressure recorded at the height above MSL of the station, reported in hundredths of inches of mercury. Altimeter setting defines the pressure value to which an aircraft altimeter scale is set so that the altimeter indicates the altitude above mean sea level of an aircraft on the ground at the location for which the value was determined.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The force exerted per unit of area by the atmosphere as a consequence of gravitational attraction upon the "column" of air lying directly above the point in question, measured with a barometer or barograph. The explicit value domain is positive integers from 2600 to 3300 representing a measurement in hundredths of inches of mercury, e.g., "2993" = 29.93 Hg. See Comments for more information.

Minimum Length: 4 ***Maximum Length:*** 4

Interchange Format: NNNN

Unit Of Measure: 100TH-INCH MERCURY ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 hundredth-inch of mercury = 0.01Hg;
29.53 Hg = 1 bar

Low Value: 2600 ***High Value:*** 3300

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 3001

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Altimeter setting is coded in the body of an aviation weather report as a group beginning with the letter "A" followed by a 4-digit group using tens, units, tenths, and hundredths of inches of mercury; e.g. "A2993" meaning 29.93 inches of mercury.

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Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Note 2 - Station elevation is the officially designated height above sea level to which station pressure pertains. There may be occasions when the station elevation differs from the field elevation.
Note 3 - Rules for coding this element are given in Section 15-17 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 688 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_SurfaceVisibility_code

Definition: An observation of horizontal visibility made at an eye level of approximately 6 feet (2 meters) above the ground, using either human evaluation or instrument measurement. This level forms the basis for defining certain obstructions to vision (e.g., fog, dust).

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
VISIBILITY VALUES	FAA ORDER 7900.5B, FIG. 15-3 Reportable visibility values table.

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 5

Interchange Format: A(A)(A)(A)(A)

Unit Of Measure: MILE ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: mi; 1 mile = 5280 feet

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 2 1/2

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_TowerVisibility_code	IS RELATED TO	FAA	1
WEATHERSurfaceObservationMETAR_PrevailingVisibility_code	IS RELATED TO	FAA	1

Comment(s): Note 1 - Surface visibility is coded in the Remarks section of an aviation weather report as SFC_VIS_v(v)(v)(v)(v) where v(v)(v)(v)(v) is the visibility value in statute miles and fractions of miles; e.g., "SFC VIS 2 1/2".

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Note 2 - There are separate definitions for Surface and (Control) Tower visibility. At civil airports, where the two are different, the lower of the two visibility figures is reported in the body of the METAR; the other is entered into the Remarks section. For example, if Tower visibility were lower, its value would become the prevailing visibility and reported in the body of the METAR, and the Surface visibility would be reported in the Remarks section. See related elements WEATHERSurfaceObservationMETAR_TowerVisibility_code, WEATHERSurfaceObservationMETAR_PrevailingVisibility_code.
Note 3 - Rules for coding this element are given in Section 15-25 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 689 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_TemperatureDewPointGroup_text

Definition: The temperature and dew point, to the nearest whole degree Celsius, observed at the station and reported in the body of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted characters. See Comments for more information.

Minimum Length: 5 ***Maximum Length:*** 7

Interchange Format: A...A(5,7)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 03/M02

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Temperature and dew point are coded in the body of an aviation weather report in the form (M)tt/(M)dd where M represents sub-zero, tt represents temperature and dd represents dew point, separated by a solidus (/).
Note 2 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_AmbientTemperature_degrees-Celsius-text,
WEATHERSurfaceObservationMETAR_DewPoint_temperature-degrees-Celsius-text
Note 3 - Temperature and dewpoint are reported differently in the Remarks section of an aviation weather report. For example, a temperature of 2.6C and dew point of -1.5C would be reported in the body of the report as "03/M01" and in the Remarks section as "T00261015". See related element

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

WEATHERSurfaceObservationMETAR_HourlyTemperatureAndDewPoint_text

Note 4 - Rules for coding this element are given in Section 15-16 of FAA Order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 690 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_ThunderstormLocationAndMovement_text

Definition: A description of the location of a thunderstorm(s) from the station or movement with direction if known, observed at automated stations or designated manual stations and reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI).

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted characters. See comments for more information.

Minimum Length: 4 ***Maximum Length:*** 20

Interchange Format: A...A(4,20)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): TS SE MOV NE
TS DSNT NW

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_DirectionalOctant_code-compass-points	INCLUDES	FAA	1

Comment(s): Note 1 - Thunderstorm location is coded in the Remarks section of an aviation weather report in the form TS d(d) (MOV d(d)) where TS identifies the thunderstorm activity, dd is the directional location of the thunderstorm (s) from the station, and MOV dd is the movement with direction dd, if known; e.g., "TS SE MOV NE" would indicate a thunderstorm southeast of the station moving northeast.

Note 2 - Thunderstorms beyond 10 SM are coded as distant, e.g., "TS DSNT NW". Any other thunderstorm location or movement remarks the observer judges appropriate are added manually. More information on rules for reporting phenomena not occurring at the point of observation is found in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 11-7.
Note 3 - Thunderstorm movement observed at automated stations is determined by a human observer who augments the aviation weather report by inserting appropriate descriptive text into the Remarks section of the METAR or SPECI. While automated systems can detect lightning, they cannot currently determine the movement of a thunderstorm.
Note 4 - This is a compound data element. See related element WEATHERSurfaceObservationMETAR_DirectionalOctant_code-compass-point
Note 5 - Rules for coding this element are given in Section 15-32 of FAA order 7900.5B, Surface Weather Observation.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 691 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_TowerVisibility_code

Definition: The prevailing visibility determined from the airport traffic control tower (ATCT) at stations that also report surface visibility.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
VISIBILITY VALUES	FAA ORDER 7900.5B, FIG. 15-3 Reportable visibility values table.

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 5

Interchange Format: A(A)(A)(A)(A)

Unit Of Measure: MILE ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: mi; 1 mile = 5280 feet

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 2 1/2

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_SurfaceVisibility_code	IS RELATED TO	FAA	1
WEATHERSurfaceObservationMETAR_PrevailingVisibility_code	IS RELATED TO	FAA	1

Comment(s): Note 1 - Tower visibility is coded in the Remarks section of an aviation weather report as TWR_VIS_v(v)(v)(v)(v) where v(v)(v)(v)(v) is the visibility value in statute miles and fractions of miles; e.g., "TWR VIS 2 1/2".
Note 2 - There are separate definitions for Surface and (Control) Tower visibility. At civil airports, where the two are different, the lower of the two visibility figures is reported in the

body of the METAR; the other is entered into the Remarks section. For example, if Tower visibility were lower, its value would become the prevailing visibility and reported in the body of the METAR, and the Surface visibility would be reported in the Remarks section. See related elements WEATHERSurfaceObservationMETAR_SurfaceVisibility_code, WEATHERSurfaceObservationMETAR_PrevailingVisibility_code.
Note 3 - Rules for coding this element are given in Section 15-25 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 692 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_VariableCeilingHeightHighest_elevation-AGL

Definition: The highest observed height of a variable ceiling layer.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Elevation-AGL: The height or vertical distance of a level, a point or an object considered as a point, on or above the surface of the earth. The explicit value domain is positive integers from 000 to 400 representing a measurement in hundreds of feet. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: NNN

Unit Of Measure: HUNDRED-FOOT ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 hundred-foot = 100 feet = 1200 inches

Low Value: 000 ***High Value:*** 400

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 010

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_VariableCeilingHeight_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with the lowest observed height of a variable ceiling layer.
Note 2 - Variable ceiling height is coded in the Remarks section of the aviation weather report as CIG_hhhVhhh, e.g., "CIG 005V010" for a ceiling that is varying between 500 and 1000 feet.
Note 3 - See related element WEATHERSurfaceObservationMETAR_VariableCeilingHeight_text.

Note 4 - Rules for coding this element are given in Section 15-35 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 693 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_VariableCeilingHeightLowest_elevation-AGL

Definition: The lowest observed height of a variable ceiling layer.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Elevation-AGL: The height or vertical distance of a level, a point or an object considered as a point, on or above the surface of the earth. The explicit value domain is positive integers from 000 to 400 representing a measurement in hundreds of feet. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: NNN

Unit Of Measure: HUNDRED-FOOT ***Unit of Measure Precision:***

Unit Of Measure Definition: 1 hundred-foot = 100 feet = 1200 inches

Low Value: 000 ***High Value:*** 400

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 005

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_VariableCeilingHeight_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with the highest observed height of a variable ceiling layer.
Note 2 - Variable ceiling height is coded in the Remarks section of the aviation weather report as CIG_hhhVhhh, e.g., "CIG 005V010" for a ceiling that is varying between 500 and 1000 feet.
Note 3 - See related element WEATHERSurfaceObservationMETAR_VariableCeilingHeight_text.

Note 4 - Rules for coding this element are given in Section 15-35 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 694 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_VariableCeilingHeight_text

Definition: An indication that the ceiling height reported in the Sky Condition group of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI) is less than 3000 feet and rapidly fluctuating. Instances of this element are included in the Remarks section of the report.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 11 ***Maximum Length:*** 11

Interchange Format: A...A(11,11)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): CIG 013V017

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Variable ceiling height is coded in the Remarks section of the aviation weather report as CIG_hhhVhhh, e.g., "CIG 005V010" for a ceiling that is varying between 500 and 1000 feet.
Note 2 - A ceiling height is considered variable when the height of a ceiling layer increases and decreases rapidly during the period of evaluation by the following criteria: ceiling at or below 1000 feet with variation of 200 or more feet, ceiling between 1000 and 2000 feet with variation of 400 or more feet, or ceiling between 2000 and 3000 feet with variation of 500 or more feet. Variable ceilings at or above 3000 feet may be reported as variable only if considered operationally significant.
Note 3 - This is a compound data element. See related elements:

WEATHERSurfaceObservationMETAR_VariableCeilingHeightLowest_elevation-AGL,
WEATHERSurfaceObservationMETAR_VariableCeilingHeightHighest_elevation-AGL.
Note 4 - Rules for coding this element are given in Section 15-35 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 695 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WeatherPhenomenonBeginningTime_time-UTC

Definition: The time, expressed in hours and minutes, at which a weather phenomenon is observed to have started. Expression of hours is optional if the phenomenon began during the same hour in which the observation was taken.

Data Type: DATETIMEINSTANT ***Data Type Definition:*** Values for date or time or both, for single specific instant

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The time of day expressed in (optional) hours and minutes. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 4

Interchange Format: (HH)MM

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: 0000 ***High Value:*** 2359

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 1407

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - A beginning time is coded in the Remarks section of an aviation weather report as B(hh)mm, where (hh)mm is the time in hours and minutes at which the phenomenon began. Only the minutes are required if the hour can be inferred from the report time; e.g., rain that began 7 minutes after the hour for which the report was issued would be coded as "RAB07".
Note 2 - Beginning and ending times are reported in the Remarks section of an aviation weather report only for tornadic activity, precipitation, and thunderstorms.
Note 3 - Rules for coding this element are given in Section 15-30 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 696 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WeatherPhenomenonDescriptor_code

Definition: The designation for any of the set of descriptive qualifiers that further amplify weather phenomena and are used with certain types of precipitation and obscurations.

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
BC	PATCHES A qualifier used solely to further describe fog that has little vertical extent (normally greater than or equal to 6 feet but less than 20 feet), and reduces horizontal visibility, but to a lesser extent vertically. The stars may often be seen by night and the sun by day. For BCFG (fog patches) to be coded, fog must randomly cover part of the station, extend to at least 6 feet above the ground, with the apparent visibility in the fog patch or bank less than 5/8 statute mile while visibility over other parts of the station is greater than or equal to 5/8 statute mile.
BL	BLOWING When dust, sand, snow, and/or spray is raised by the wind to a height of 6 feet or more, “blowing” is used to further describe the weather phenomenon. BL is only coded with dust (DU), sand (SA), and snow (SN), e.g. “BLSN”.
DR	LOW DRIFTING When dust, sand, or snow is raised by the wind to less than 6 feet, “low drifting” is used to further describe the weather phenomenon. DR is only coded with dust (DU), sand (SA), and snow (SN), e.g. “DRSN”.
FZ	FREEZING When fog is occurring and the temperature is below 0°C, “freezing” is used to further describe the weather phenomenon. When drizzle and/or rain freezes upon impact and forms a glaze on the ground or other exposed objects, “freezing” is used to further describe the precipitation. FZ is only coded in combination with fog (FG), drizzle (DZ), or rain (RA).
MI	SHALLOW A qualifier used only to further describe fog that has little vertical extent (less than 6 feet). For MIFG (shallow fog) to be coded, fog must cover part of the station, extend no higher than 6 feet above the ground 5/8 statute mile or more, while the apparent visibility in the fog layer is less than 5/8 statute mile.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

PR	PARTIAL A qualifier used solely to further describe fog that has little vertical extent (normally greater than or equal to 6 feet but less than 20 feet), and reduces horizontal visibility, but to a lesser extent vertically. The stars may often be seen by night and the sun by day. For PRFG (partial fog) to be coded, fog must cover a substantial part of the station, and extend to at least 6 feet above the ground with visibility in the fog less than 5/8 statute mile.
SH	SHOWER(S) Precipitation characterized by the suddenness with which they start and stop, by the rapid changes of intensity, and usually by rapid changes in the appearance of the sky. Only used with precipitation types rain (RA), snow (SN), ice pellets (PL), small hail (GS), or large hail (GR).
TS	THUNDERSTORM A local storm produced by a cumulonimbus cloud that is accompanied by lightning and/or thunder.

Non-Enumerated Value Domain Description

Minimum Length: 2 ***Maximum Length:*** 2

Interchange Format: AA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): TS

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with weather phenomenon codes, e.g., "FZRA" (freezing rain) or "FZDZ" (freezing drizzle). Rules for using qualifiers are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-14.
Note 2 - See related element WEATHERSurface ObservationMETAR_PresentWeatherGroup_text.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 697 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WeatherPhenomenonEndingTime_time-UTC

Definition: The time, expressed in hours and minutes, at which a weather phenomenon is observed to have ended. Expression of hours is optional if the phenomenon ended during the same hour in which the observation was taken.

Data Type: DATETIMEINSTANT ***Data Type Definition:*** Values for date or time or both, for single specific instant

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

The time of day expressed in (optional) hours and minutes. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 4

Interchange Format: (HH)MM

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: 0000 ***High Value:*** 2359

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 1407

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - An ending time is coded in the Remarks section of an aviation weather report as E(hh)mm, where (hh)mm is the time in hours and minutes at which the phenomenon ended. Only the minutes are required if the hour can be inferred from the report time; e.g., rain that ended 7 minutes after the hour for which the report was issued would be coded as "RAE07".
Note 2 - Beginning and ending times are reported in the Remarks section of an aviation weather report only for tornadic activity, precipitation, and thunderstorms.
Note 3 - Rules for coding this element are given in Section 15-30 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 698 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WeatherPhenomenonIntensityProximity_code

Definition: The designation for a qualifier used to classify the strength of a weather phenomenon based on such criteria as precipitation fall rate, visibility, or proximity, determined at a point of observation.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
' ' (BLANK)	MODERATE For rain and ice pellets 0.11 inch to 0.30 inch per hour; more than 0.01 inch to 0.03 inch in 6 minutes. For snow or drizzle based on visibility > ¼ mile but < ½ mile.
'+' (PLUS SIGN)	HEAVY For rain and ice pellets more than 0.30 inch per hour; more than 0.03 in 6 minutes. For snow or drizzle based on visibility < ¼ mile.
'-' (DASH)	LIGHT For rain and ice pellets up to 0.10 inch per hour, maximum 0.01 inch in 6 minutes. For snow or drizzle based on visibility > ½ mile.
VC	IN THE VICINITY For weather phenomena occurring between 5 and 10 statute miles beyond the point of observation.

Non-Enumerated Value Domain Description

Minimum Length: 1 ***Maximum Length:*** 2

Interchange Format: A(A)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): VC

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with weather phenomenon codes, e.g., "+RA" (heavy rain). Rules for using qualifiers are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-14.
Note 2 - See related element WEATHERSurface ObservationMETAR_PresentWeatherGroup_text.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 699 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WeatherPhenomenonObscuration_code

Definition: The designation for an obscuration. An obscuration is any weather phenomenon in the atmosphere, other than precipitation, that reduces horizontal visibility. Obscurations are ordinarily reported when the prevailing visibility is less than 7 miles or considered operationally significant.

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
BR	MIST A visible aggregate of minute water particles suspended in the atmosphere that reduces visibility to less than 7 statute miles but greater than or equal to 5/8 statute miles.
DU	WIDESPREAD DUST Fine particles of earth or other matter raised or suspended in the air by the wind that may have occurred at or far away from the station and which may restrict horizontal visibility.
FG	FOG A visible aggregate of minute water particles (droplets) which are based at the earth’s surface and reduces horizontal visibility to less than 5/8 statute mile and, unlike drizzle, it does not fall to the ground.
FU	SMOKE A suspension in the air of small particles produced by combustion. A transition to haze may occur when smoke particles have traveled great distances (25 to 100 miles or more) and when the larger particles have settled out and the remaining particles have become widely scattered through the atmosphere.
HZ	HAZE A suspension in the air of extremely small, dry particles invisible to the naked eye and sufficiently numerous to give the air an opalescent appearance.
PY	SPRAY An ensemble of water droplets torn by the wind from the surface of an extensive body of water, generally from the crests of waves, and carried up a short distance into the air.
SA	SAND Sand particles raised by the wind to a height sufficient to reduce horizontal visibility.
VA	VOLCANIC ASH Fine particles of rock powder that originate from a volcano and that may remain suspended in the atmosphere for long periods.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Non-Enumerated Value Domain Description

Minimum Length: 2 ***Maximum Length:*** 2

Interchange Format: AA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): HZ

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with descriptive qualifiers like "BLDU" (blowing dust), "FZFG" (freezing fog), "MIFG" (shallow ground fog). Rules for using qualifiers are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-14.
Note 2 - See related element WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 700 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WeatherPhenomenonOther_code

Definition: The designation for a weather phenomenon of operational significance that is not classified as precipitation or obscuration.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
+DS	HEAVY DUSTSTORM A duststorm in which visibility is less than 5/16 statute miles.
+FC	TORNADO OR WATERSPOUT A violent, rotating column of air touching the ground. A Waterspout is a violent, rotating column of air that forms over a body of water, and touches the water surface.
+SS	HEAVY SANDSTORM A sandstorm in which visibility is less than 5/16 statute miles.
DS	DUSTSTORM A severe weather condition characterized by strong winds and dust-filled air over an extensive area. Duststorm is reported when visibility is reduced to between 5/8 and 5/16 statute miles.
FC	FUNNEL CLOUD A violent, rotating column of air which does not touch the surface.
PO	WELL DEVELOPED DUST/SAND WHIRL An ensemble of particles of dust or sand, sometimes accompanied by small litter, raised from the ground in the form of a whirling column of varying height with a small diameter and an approximately vertical axis.
SQ	SQUALL A strong wind characterized by a sudden onset in which the wind speed increases at least 16 knots and is sustained at 22 knots or more for at least one minute.
SS	SANDSTORM Particles of sand carried aloft by a strong wind. The sand particles are mostly confined to the lowest ten feet, and rarely rise more than fifty feet above the ground. Sandstorm is reported when visibility is reduced to between 5/8 and 5/16 statute miles.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Non-Enumerated Value Domain Description

Minimum Length: 2 ***Maximum Length:*** 3

Interchange Format: (A)AA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): SQ

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Rules for reporting instances of this element are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-14.
Note 2 - See related element WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 701 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WeatherPhenomenonPrecipitation_code

Definition: The designation for any or all of the forms of water particles, whether liquid or solid, that fall from clouds and reach the ground. It is a major class of hydrometeor but is distinguished from cloud, fog, dew, rime, frost, etc., in that it must "fall"; and is distinguished from clouds and virga in that it must reach the ground. Precipitation includes liquid precipitation (drizzle, rain), freezing precipitation (freezing drizzle, freezing rain), and frozen precipitation (snow pellets, snow, snow grains, ice crystals, ice pellets, hail).

Data Type: LETTERSTRING ***Data Type Definition:*** Finite sequences of uppercase letters A through Z

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
DZ	DRIZZLE Fairly uniform precipitation composed exclusively of fine drops with diameters of less than 0.02 inch (0.5 mm) very close together. Drizzle appears to float while following air currents, although unlike fog droplets, it falls to the ground.
GR	HAIL Precipitation in the form of small balls or other pieces of ice falling separately or frozen together in irregular lumps.
GS	SMALL HAIL OR SNOW PELLETS Precipitation of white, opaque grains of ice. The grains are round or sometimes conical. Diameters range from about 0.08 to 0.2 inch (2 to 5 mm).
IC	ICE CRYSTALS A fall of unbranched (snow crystals are branched) ice crystals in the form of needles, columns, or plates.
PL	ICE PELLETS Precipitation of transparent or translucent pellets of ice, which are round or irregular, rarely conical, and which have a diameter of 0.2 inch (5 mm) or less. There are two main types: (1)Hard grains of ice consisting of frozen raindrops, or largely melted and refrozen snowflakes;(2)Pellets of snow encased in a thin layer of ice which have formed from the freezing, either of droplets intercepted by the pellets, or of water resulting from the partial melting of the pellets.
RA	RAIN Precipitation, either in the form of drops larger than 0.02 inch (0.5 mm), or smaller drops which, in contrast to drizzle, are widely separated.
SG	SNOW GRAINS Precipitation of very small, white, and opaque grains of ice.

SN	SNOW Precipitation of snow crystals, mostly branched in the form of six pointed stars.
UP	UNKNOWN PRECIPITATION Precipitation type that is reported if the automated station detects the occurrence of precipitation but the precipitation discriminator cannot recognize the type.

Non-Enumerated Value Domain Description

Minimum Length: 2 ***Maximum Length:*** 2

Interchange Format: AA

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): RA

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Instances of this element are combined with descriptive qualifiers, e.g., "FZRA" (freezing rain) or "FZDZ" (freezing drizzle). Rules for using qualifiers are given in the reference document Surface Weather Observation, FAA Order 7900.5B, Section 15-14.
Note 2 - See related element WEATHERSurfaceObservationMETAR_PresentWeatherGroup_text.

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October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 702 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindConditionsGroup_text

Definition: Observed wind conditions as reported in the body of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI). This grouping consists of information on wind direction, speed, gusts, and variability.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 7 ***Maximum Length:*** 20

Interchange Format: A...A(7,20)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 23018G26KT

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - Wind conditions are coded in the body of an aviation weather report as dddff(f)(Ggg(g))KT(_dddVddd) where ddd represents direction true north, ff(f) represents speed, and gg(g) represents gusts if present; and dddVddd represents variable winds if present.
Note 2 - True wind direction is reported in tens of degrees using three digits. Speed is reported in whole knots (two or three digits). Gusts (G) are appended to the speed if required. The group ends with KT to indicate knots; e.g., 23018G26KT which is interpreted as surface winds from 230 degrees at 18 knots gusting to 26 knots.
Note 3 - Direction may be reported VRB (variable) if speed is less than or equal to 6 knots, e.g., VRB05KT. Calm winds are reported 00000KT. If wind direction varies by 60 degrees or more and speed

is greater than 6 knots, a variable wind group is also reported, e.g., 180V250.

Note 4 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_WindDirection_degrees-true-north
WEATHERSurfaceObservationMETAR_WindDirectionVariability_text
WEATHERSurfaceObservationMETAR_WindSpeed_rate-knots
WEATHERSurfaceObservationMETAR_WindSpeedGust_rate-knots
Note 5 - Rules for coding this element are given in Section 15-11 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 703 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindDirectionVariability_text

Definition: An indication of the amount of variability in the wind direction shifts. The wind direction is considered to be variable if, during the 2-minute evaluation period, the wind speed is less than or equal to 6 knots. In addition, the wind direction is considered variable if, during the 2-minutes evaluation period, it varies by 60 degrees or more when the average wind speed is greater than 6 knots.

Data Type: ALPHANUMERICSTRING ***Data Type Definition:*** Finite sequences of upper-case letters and/or digits

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted alphanumeric characters. See Comments for more information.

Minimum Length: 7 ***Maximum Length:*** 7

Interchange Format: A...A(7,7)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 060V300

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Variable wind direction with wind speed over 6 knots is coded in the body of an aviation weather report as dddVddd, e.g., 180V240 for a wind varying from 180 to 240 degrees. Direction is reported in 10-degree increments.
Note 2 - Directional variability is coded in a clockwise direction.

Note 3 - For variable winds greater than or equal to 6 knots, the wind direction and speed is reported together with and preceding the variable wind. For variable winds less than or equal to 6

knots, "VRB" is coded in the wind direction.

Note 4 - This is a compound data element. See related elements:
WEATHERSurfaceObservationMETAR_WindDirectionVariesFrom_degrees-true-north,
WEATHERSurfaceObservationMETAR_WindDirectionVariesTo_degrees-true-north,
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text.
Note 5 - Rules for coding this element are given in Section 15-11 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 704 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindDirectionVariesFrom_degrees-true-north

Definition: The initial point, in degrees true north, of the horizontal arc that represents the directional variability of a shifting wind

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

An angular measure with respect to true north. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: DDD

Unit Of Measure: DEGREE (ANGLE) ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: °; 1 degree = (pi/180) radians

Low Value: 000 ***High Value:*** 360

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 180

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text	IS INCLUDED IN	FAA	1
WEATHERSurfaceObservationMETAR_WindDirectionVariesTo_degrees-true-north	IS RELATED TO	FAA	1
WEATHERSurfaceObservationMETAR_WindDirectionVariability_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Variable wind direction with wind speed over 6 knots is coded in the body of an aviation weather report as dddVddd, e.g., 180V240 for a wind varying from 180 to 240 degrees. Direction is reported in 10-degree increments.
Note 2 - Directional variability is coded in a clockwise direction.

Note 3 - For variable winds greater than or equal to 6 knots, the wind direction and speed is reported together with and preceding the variable wind. For variable winds less than or equal to 6 knots, "VRB" is coded in the wind direction.
Note 4 - See related elements: WEATHERSurfaceObservationMETAR_WindDirectionVariesTo_degrees-true-north, WEATHERSurfaceObservationMETAR_WindConditionsGroup_text.
Note 5 - Rules for coding this element are given in Section 15-11 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 705 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindDirectionVariesTo_degrees-true-north

Definition: The end point, in degrees true north, of the horizontal arc that represents the directional variability of a shifting wind.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

An angular measure with respect to true north. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: DDD

Unit Of Measure: DEGREE (ANGLE) ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: °; 1 degree = (pi/180) radians

Low Value: 000 ***High Value:*** 360

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 240

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text	IS INCLUDED IN	FAA	1
WEATHERSurfaceObservationMETAR_WindDirectionVariesFrom_degrees-true-north	IS RELATED TO	FAA	1
WEATHERSurfaceObservationMETAR_WindDirectionVariability_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Variable wind direction with wind speed over 6 knots is coded in the body of an aviation weather report as dddVddd, e.g., 180V240 for a wind varying from 180 to 240 degrees. Direction is reported in 10-degree increments.
Note 2 - Directional Variability is coded in a clockwise direction.

Note 3 - For variable winds greater than or equal to 6 knots, the wind direction and speed is reported together with and preceding the variable wind. For variable winds less than or equal to 6 knots, "VRB" is coded in the wind direction.
Note 4 - See related elements: WEATHERSurfaceObservationMETAR_WindDirectionVariesFrom_degrees-true-north, WEATHERSurfaceObservationMETAR_WindConditionsGroup_text.
Note 5 - Rules for coding this element are given in Section 15-11 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 706 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindDirection_degrees-true-north

Definition: The direction with respect to true north from which the wind is blowing, as determined by averaging the direction over a 2-minute period.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

An angular measure with respect to true north. See Comments for more information.

Minimum Length: 3 ***Maximum Length:*** 3

Interchange Format: DDD

Unit Of Measure: DEGREE (ANGLE) ***Unit of Measure Precision:***

Unit Of Measure Definition: symbol: °; 1 degree = (pi/180) radians

Low Value: 000 ***High Value:*** 360

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 120

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Direction is reported in 10-degree increments.

Note 2 - When the wind direction sensor(s) is out of service, at designated stations, the direction may be estimated by observing the wind cone or tee, movement of twigs, leaves or smoke.
Note 3 - Wind direction is reported in the body of an aviation weather report as part of a group of wind data. See related element: WEATHERSurfaceObservationMETAR_WindConditionsGroup_text.
Note 4 - Rules for coding this element are given in Section 15-11 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 707 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindShift_ text

Definition: An indication that there has been a sudden change of wind direction, as reported in the Remarks section of a scheduled routine Aviation Weather Report (METAR) or unscheduled special report (SPECI). According to Unites States observation procedure, this condition would be reported if a change in wind direction of 45 degrees or more took place in less than 15 minutes with sustained winds of 10 knots or more throughout the wind shift. A wind shift that meets those criteria results in the generation of a SPECI unless it occurs immediately before a METAR, in which case it is included in the METAR.

Data Type: CHARACTERSTRING ***Data Type Definition:*** Finite sequences of characters (letters, digits, symbols)

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

A string of formatted characters. See Comments for more information.

Minimum Length: 8 ***Maximum Length:*** 10

Interchange Format: A...A(8,10)

Unit Of Measure: N/A ***Unit of Measure Precision:***

Unit Of Measure Definition: N/A

Low Value: ***High Value:***

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): WSHFT 30

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***

Comment(s): Note 1 - A wind shift is coded in the Remarks section of the report as WSHFT_(hh)mm where (hh)mm is the time the wind shift began (only the minutes are required if the hour can be inferred from the report time); e.g., a wind shift that began at 30 minutes after the hour due to frontal passage would be coded as "WSHFT 30 FROPA".
Note 2 - Rules for coding this element are given in Section 15-24 of FAA Order 7900.5B, Surface

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 708 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindSpeedGust_rate-knots

Definition: The observed speed of a gust of wind. A gust is a rapid fluctuation in wind speed with a variation of 10 knots or more between peaks and lulls. The wind speed observed during the most recent 10 minutes is examined to evaluate the occurrence of a gust.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Rate: A numeric unit of measure expressing the ratio of a quantity to another quantity. The explicit value domain is positive integers with the type of rate being knots. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 3

Interchange Format: (N)NN

Unit Of Measure: KNOT ***Unit of Measure Precision:*** whole knots

Unit Of Measure Definition: symbol: knot; 1 nautical mile per hour=(1852/3600) m/s

Low Value: 00 ***High Value:*** 999

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 40

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Wind gusts are reported in the body of an aviation weather report immediately following the prevailing wind direction and speed
Note 2 - See related element: WEATHERSurfaceObservationMETAR_WindConditionsGroup_text.

Note 3 - Automated Surface Observation System (ASOS) does not report wind speed higher than 125 knots. However, higher wind speeds have been observed and may be captured in future automated systems.
Note 4 - Rules for coding this element are given in Section 15-11 of FAA Order 7900.5B, Surface Weather Observation.

List of Approved Standards (FAA-STD-060 Format)

October 11, 2005

Generated from the FAA Data Registry. Registration Authority: FAA. Registration Status: Standardized

Data Identifier: 709 ***Version:*** 1

Context: FAA ***Context Definition:*** FAA standard data

Preferred Name: WEATHERSurfaceObservationMETAR_WindSpeed_rate-knots

Definition: Ratio of the distance covered by the air to the time taken to cover it; typically measured with an anemometer. The wind speed is determined by averaging the speed to the nearest knot over a 2-minute period.

Data Type: UNSIGNEDINTEGER ***Data Type Definition:*** The set of positive whole numbers and zero

Character Set: US7ASCII

Enumerated Value Domain Permissible Values	***Value Meaning***
N/A	N/A

Non-Enumerated Value Domain Description

Rate: A numeric unit of measure expressing the ratio of a quantity to another quantity. The explicit value domain is positive integers with the type of rate being knots. See Comments for more information.

Minimum Length: 2 ***Maximum Length:*** 3

Interchange Format: (N)NN

Unit Of Measure: KNOT ***Unit of Measure Precision:*** whole knots

Unit Of Measure Definition: symbol: knot; 1 nautical mile per hour=(1852/3600) m/s

Low Value: 00 ***High Value:*** 999

Informative Meta-Attributes

Administered Item Type: Data Element

Steward Organization: AVIATION WEATHER POLICY DIVISION

Effective Begin Date: 14-NOV-03 ***Effective End Date:***

Example(s): 15

Alternate Name(s)	***Alternate Name Type***	***Alternate Name Context***

Related Data Element(s)	***Relationship***	***Related DE Context***	***Related DE Version***
WEATHERSurfaceObservationMETAR_WindConditionsGroup_text	IS COMPONENT OF	FAA	1

Comment(s): Note 1 - Wind speed less than 10KT is coded in the body of an aviation weather report with a leading zero (08KT).
Note 2 - See related element: WEATHERSurfaceObservationMETAR_WindConditionsGroup_text.

Note 3 - Automated Surface Observation System (ASOS) does not report wind speed higher than 125 knots. However higher wind speeds have been observed and may be captured in future automated systems.
Note 4 - Rules for coding this element are given in Section 15-11 of FAA Order 7900.5B, Surface Weather Observation.